

1 FEDERAL TRADE COMMISSION

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FEDERAL TRADE COMMISSION

HEARING ON:) Matter No.
THE EVOLVING IP MARKETPLACE) P093900
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WEDNESDAY, FEBRUARY 11, 2009

Conference Center
Federal Trade Commission
601 New Jersey Avenue, N.W.
Washington, D.C. 20580

The above-entitled hearing was held, pursuant
to notice, at 9:00 a.m.

P R O C E E D I N G S

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3 MS. MICHEL: We're going to go ahead, and we
4 will get started now since we have so much to cover this
5 morning.

6 Good morning. Welcome to the Federal Trade
7 Commission, and our second in a series of hearings on
8 the evolving marketplace. I am Suzanne Michel. I am
9 the Assistant Director for Policy in the Bureau of
10 Competition. I'm going to give you a couple of brief
11 announcements, and then we will dig right in.

12 The first one is a security announcement. In
13 the case of fire, if the building is evacuated, please
14 go across the street, and we'll try to check off and
15 make sure that everyone is out of the building.
16 Hopefully that won't happen.

17 This project, the evolving IP marketplace, is
18 our attempt to look at the operation of markets for
19 patents and technology and how different legal doctrines
20 impact the operation of those markets. Today we're
21 going to be focusing on patent damages. Tomorrow we
22 will be focusing on permanent injunctions in the wake of
23 eBay.

24 We will be having future hearings on March 17 -
25 I'm sorry, March 18, right? March 18, March 19, April

1 17 in D.C., and May 4 and 5 in Berkeley. We will be
2 issuing a press release in the next couple of days
3 announcing that and giving an indication of what those
4 hearings will be about.

5 In terms of comments, our initial comment period
6 closed February 5. I understand the web site was down
7 around that time. It is back up now, so please, if
8 anyone has comments, please submit them.

9 In the upcoming press release, we will also be
10 announcing we will be reopening the comment period. We
11 do not want to turn away any good input, and in
12 addition, we wanted to give everyone an opportunity to
13 comment on the discussions that you will be hearing in
14 this series of hearings. We will close the comment
15 period on May 15, because at some point you need to
16 buckle down and start writing.

17 With that, I am going to turn the floor over to
18 Bill Adkinson, who will introduce what we are doing
19 today and the great program that we have lined up.

20 MR. ADKINSON: Thanks, Suzanne. My name is Bill
21 Adkinson, and I'm in the General Counsel's office, the
22 Office of Policy Studies. We're really excited about
23 today's panel. It's a terrific panel. It's going to be
24 addressing what is perhaps now the most contentious
25 issue in the debate over patent reform, damages in

1 patent proceedings, in particular reasonable royalties.

2 We hope that this panel will help move the
3 debate forward by focusing on the legal standards
4 governing reasonable royalties and especially how those
5 standards are implemented in judicial proceedings.

6 It's our great good fortune that we'll be
7 hearing today from practitioners and economic policy
8 experts who have an extraordinary array of experience in
9 patent damage litigation. Their insights will provide a
10 foundation for an assessment of whether there are
11 problems in either the legal standards or the way
12 they're implemented and also whether there are various
13 reforms that might improve matters. This afternoon
14 we're going to have a roundtable discussing the same
15 issues.

16 I'm going to be real brief in introducing the
17 panelists. Their very distinguished bios are on the web
18 site, but I must mention that I wince when I think that
19 the bill we would be running up if they were here on a
20 paying matter. We're very grateful that they've taken
21 the time from their work to come here and help us better
22 understand these matters, especially in these really
23 difficult economic times.

24 We're going to have lead off presentations on
25 data on patent damages, the most current data available

1 on damage awards and related aspects of patent
2 litigation. That's going to take a half hour or so.

3 We're going to take a short break then, and then
4 we're going to dive into our panel, and we won't have
5 any further breaks for the rest of the morning. So I'll
6 introduce the two presenters right now.

7 Professor Paul Janicke is a professor of law at
8 the University of Houston Law Center. He's also the
9 founder of the Law Center's Institute for Intellectual
10 Property and Information Law. He previously was a
11 senior litigation partner at Arnold, White and Durkee.
12 He's authored numerous articles on IP subjects and a
13 case book entitled "Modern Patent Litigation."

14 His research activities include empirical patent
15 law studies, particularly a web site called
16 patstats.org, which I think we'll hear about a little
17 more.

18 Then we're going to here from Aron Levko. Aron
19 is the principal and founder of the intellectual asset
20 management practice from PricewaterhouseCoopers in the
21 Americas. He has extensive experience in dispute
22 resolutions, intellectual asset transactions, business
23 valuations and IP portfolio management.

24 He also has extensive expert testimony
25 experience. He's published and spoken frequently on

1 intellectual property topics and has lead responsibility
2 for PricewaterhouseCoopers's widely respected studies on
3 patent litigation.

4 So without further adieu, Professor Janicke.

5 PROFESSOR JANICKE: Thanks, Bill, very much.
6 It's a great honor for me to be here on a subject that's
7 become very near and dear to me. I've spent most of the
8 last six years doing empirical research on patent
9 litigation subjects, and I'm going to share a little of
10 that with you today.

11 The context for what we know about patent
12 damages is this: There is about 2,700 patent lawsuits
13 filed a year in the United States. 86 percent of them
14 settle before trial, and about those, we know almost
15 nothing. Nobody has volunteered, and it's very
16 difficult to get settlement data on what has actually
17 happened in those 86 percent of the cases.

18 8 percent on summary judgment; that is the
19 disposition tool of choice today for contested cases
20 that don't settle. 1 percent of the cases settled
21 during the jury trial. 3 percent -- well, it's now
22 actually closer currently to 2 percent -
23 settled on jury verdicts. So there's about 65 or 70
24 jury trials that commence every year, and only about 50
25 of them actually go through to a verdict.

1 Three quarters of them, by my reckoning, are for
2 the patentee, and it is now down to about 1 and a half
3 percent judgments on bench trials, so you can see trials
4 are becoming, year by year, less and less the
5 disposition tool of choice for contested patent cases
6 and summary judgment becoming more and more the tool.

7 The Federal Circuit hears only about half of the
8 400 patent appeals that are lodged there every year. I
9 checked this just last week with the Court, and they say
10 that about 200 cases are decided by panels that actually
11 have law issues, not always patent law issues but some
12 law issues to decide, and the rest of them, the other
13 cases are dismissed perhaps due to settlement, perhaps
14 because the appellant just gives up. It's kind of hard
15 to tell.

16 So we really only get every year about 90
17 Federal Circuit cases, including the Rule 36 summary
18 affirmances, that are rulings in the patent law sense
19 that we would call who wins and who loses.

20 So it turns out, with only about 90 cases per
21 year to go by, not many of them focus on damages, so we
22 don't have a whole lot of case law on the subject in
23 recent times, but we do have, and what I have been
24 collecting on our site, patstats.org, is what juries are
25 actually doing in their verdicts.

1 Now, understand, we're not telling you the final
2 judgment dollar numbers in these stats. We are telling
3 you only what the jury foreman announced and only since
4 2005. So Aron's data are much more comprehensive time
5 wise than mine.

6 I am only looking at January 1, 2005, because
7 that is around the time when people started to say,
8 There's run-away freight trains in patent cases, these
9 juries are just acting crazy. So we decided to take a
10 look and to periodically monitor all the jury verdicts
11 we could find, and we collect them not only from Westlaw
12 but also from newspaper articles, word of mouth,
13 wherever we can get the information. And we go online to
14 Pacer and pull the actual verdict form.

15 So that's how we assemble it, so a lot of
16 times, the ending judgment of course is going to be
17 higher than the jury verdict because of enhancement due
18 to willfulness, prejudgment interest. Other times the
19 final judgment is going to be a lot lower because of
20 remittitur and JMOL problems the patentee has to face.

21 So we're just looking at what the foreman
22 announces. Those are the numbers, and if you look at
23 those numbers since January of 2005, and this is current
24 till January '09, in the last month, verdicts are not
25 run-away freight trains usually.

1 Here I've got them organized from top to bottom
2 over the four-year period. The biggest one was a billion
3 and a half dollars. I might say it got set aside for
4 other reasons, so just telling you what came out of the
5 jury foreman. Then \$431 million, \$360 -- these are the
6 runs that spur the filing of patent litigation, hundreds of
7 millions of dollars -- but it doesn't take long before you
8 drop down.

9 By the time you get down to the 101st or so --
10 we're under a million dollars by the 100th row of this
11 spreadsheet, and then it continues down from there, and
12 then there's a bunch of zeroes at the bottom. The
13 zeroes are of course where the jury came in for the
14 accused infringer. There's about 25 percent of those
15 cases.

16 So the patentee wins about 75 percent, if he can
17 get to trial; that is, if he can get past the summary
18 judgment hurdle that is the usual track, and for all
19 that period the median is right here, \$5,290,000, the
20 median of the winning patentee cases, not counting any
21 zeroes. So if you just say, If I win, if I get past
22 summary judgment and if I win at the jury, what's that
23 foreman going to say, and in this period of time of four
24 years, it looks like the median is just off over \$5
25 million.

1 You know, median statistics are a small comfort
2 to people who lost up here, and I understand that.
3 There's some of you from this company, for example, you
4 might have an interest in -- oh, here's the same company
5 again, look at that, so their views on the whole subject
6 might be diametrically opposed, and they're not going to
7 be real happy or comforted by the fact that the median
8 is way down here.

9 So some people say, Well, that's the median of
10 all cases, but it really depends on where you sue. So
11 we said, Okay, let's take a look district by district,
12 in the heavy patent litigation districts, so I just
13 picked a few and color coded them for convenience.

14 Let's look at this first one, Central District
15 of California, lots of filings there, God only knows
16 why. The results are very bad for patentees on summary
17 judgment. You don't get to trial that fast, but still a
18 lot of people file there. Notice how few trials there
19 have been, jury trials and verdicts, just a handful in a
20 four-year period. What are the numbers? Well, the
21 highest one in that district is \$53 million, and it
22 jumps down to \$19, \$12 and so on.

23 So the median is somewhere around here \$6
24 million or so, \$7 or maybe \$8 million, not very different
25 from the overall median, and the highest one is only \$53.

1 Well, since apparently it costs according to AIPLA
2 survey about \$5 million per side to get to judgment --
3 they don't measure until trial anymore because that's
4 disappearing but cost to judgment, \$5 million a side, any
5 verdict down here in the three and six million dollar
6 range is probably not going to be considered a victory
7 by the client.

8 So what about Northern California? A small
9 number of cases there too. They seem to be a little bit
10 bigger than the median, but it's not really enough cases
11 to say very much. Southern California is up and coming
12 in recent years. I am not sure why. It has one big one
13 that as I mentioned got set aside. The two biggest ones
14 in that district were against Microsoft, and then a
15 handful of others, so it doesn't seem like that great of
16 a district to be in either.

17 Delaware, as Stanford recently, I guess Mark
18 Lemley's announcement recently that that looked like the
19 best district to file in. Now, I concur. There is only
20 a handful of losses down here, and it looks like the
21 median of the wins is in the 30, 40 some odd million
22 dollar range. Well, that might almost justify the \$5
23 million cost of rolling the dice. So Delaware looks
24 like a pretty good district. They're probably the best
25 in the high volume districts. Massachusetts is pretty

1 good too, only one loss at the jury level, and medians
2 in the \$45-65 million range, but again not that many cases.

3 I put in New Jersey just because everybody seems
4 to be wanting to sue there lately. They're the number 4
5 district in the recent -- last year or so. I haven't
6 any real feeling for why. The numbers certainly don't
7 justify going to New Jersey. It takes a long time to
8 get to judgment, not very favorable to the patentee when
9 you get there, so it must be a high settlement rate for
10 pharmaceutical companies I guess, so it's driving that.

11 Now, here is the big gorilla, the Eastern
12 District of Texas, and here there is a lot of cases.
13 The win rate is about the same as everywhere else, but
14 the median of the wins is substantially higher and
15 similar to Delaware. It's somewhere in the \$34-41
16 million range, so naturally, lots of people file in the
17 Eastern District of Texas, and it is not hard to see
18 why.

19 There are a lot of trials there because summary
20 judgment in the Fifth Circuit culturally and
21 traditionally was not done very often, so your chances
22 of getting to trial are better in the Eastern District,
23 and I believe that's what's driving the large number of
24 suits there at the minute. The future of that district
25 is another matter for patent cases.

1 The Eastern District of Virginia, just a
2 handful, not really enough to address, and Western
3 District of Wisconsin because apparently it was a rocket
4 docket. A lot of people seemed to want to file there
5 recently, but the numbers don't really bear out either,
6 so it looks like Eastern Texas and Delaware are your
7 best bet, probably overall Delaware.

8 So maybe year to year trend for four years, so
9 we looked at what's the median and how do the verdicts
10 line up for the years, and in 2008, just about what
11 we've been seeing, \$6-7 million. This is the national
12 median for that year, and a bunch of zeroes as usual.

13 2007, the median was 10 or 12. This was a good
14 year for patentees. Those who won were able to get a
15 median recovery over \$10 million. That's the best that
16 I've seen in the years that we've looked at. 2006, not
17 so good, \$4 or 5 million median for the country of the
18 winning cases. If you put in all the zeroes, of course
19 these medians are going to come way down, so we didn't
20 do that, and then 2005 it was even worse, \$2 to 3
21 million or so for the median verdict.

22 So what do we conclude about all of this? The
23 rules of law are pretty simple. For lost profits we now
24 have what I call Son of *Panduit*. It's the *Panduit* rules
25 without the third requirement that there be no

1 acceptable non-infringing substitute. That's gone now.
2 You can still get some lost profits even if there are
3 acceptable substitutes, but you don't get them for those
4 units that would have gone to the substitute. So it is
5 an easy rule to state, not so easy to apply, and lots to
6 worry about if you are a defendant in these cases.

7 Reasonable royalty, for some reason we're still
8 using the *Georgia-Pacific* grab bag where the judge
9 throws the grab bag with all the factors to the jury and
10 says, Do what you think is right. I think this is
11 really where we need to tighten up damages law, and I
12 will talk about that further later.

13 But the grab bag approach of throwing 15 factors
14 to the jury and saying do what you think, could be why we
15 are getting erratic results. Certainly it doesn't lend
16 itself to predictable results.

17 So I think that should be abandoned, as I will
18 talk about further, and that the judge should say: Look,
19 just value added is the rule, some portion of that
20 should be the damages, and I'm going to really supervise
21 you when the verdict comes in, in the sense of new trial
22 motions and remittiturs and so on.

23 It's my belief that if we did that, we wouldn't
24 need any special legislation on this subject at all, but
25 what's happening is if you give people a grab bag and

1 the judge opts out of it and says the jury did their
2 thing, we're going to continue to have erratic results.
3 I will talk further about these subjects later. Thanks
4 very much.

5 MR. ADKINSON: Aron?

6 MR. LEVKO: Thanks, Bill. Nice set up.

7 Good morning. I'm going to go through some
8 preliminary results of a study that we started actually
9 back in 2004, and we've updated it annually since then.
10 I don't know if you've had a chance to look at the more
11 detailed report that we have issued over the past four
12 years, and we will be issuing an update through 2008
13 sometime in the spring.

14 It's based on two Westlaw databases. We've
15 constrained ourselves to publicly available information
16 so that the slicing and dicing of the data can be
17 consistent, non-anecdotal, and be reliable at least to
18 the extent of what's put in the case write-up for
19 Westlaw.

20 We go back to 1980. We have over 20,000
21 records. We have some 7,000 or 8,000 man-hours or
22 person-hours involved in this database, and every year
23 we seem to add a retrieval key or something like that.

24 So what I'm going to go through is a number of
25 things. I will probably define some terms along the way

1 like what is win, what is a non-practicing entity, our
2 definitions that we have used to compile the data.

3 Okay, just to kind of
4 set the context up, the patents being issued, the
5 grants, have increased markedly from at least -- we're
6 looking at here in 1991 through about 2003. The
7 increase was about, oh, 4 percent or so a year. But
8 since 2003, a funny thing has happened -- grants have
9 leveled off. And so we have an overall growth rate of
10 3.5 percent over these 18 years or so, but
11 really it's been almost zero for the last five years.

12 Meanwhile, patent trials, which had been
13 increasing at over 6 percent a year through about 2004,
14 themselves have leveled off. Now, I don't have data yet
15 for 2008, but over the past three years, it really has
16 declined slightly, so what does that mean?

17 Well, it means that maybe a lot of these
18 disputes are being resolved outside of trials, in
19 settlements or some sort of licensing with a little bit
20 of a hammer, but that kind of sets the stage for now
21 what is happening when a case is filed.

22 We're focusing now on the period 1995 through
23 2008. We selected that because we saw that prior to
24 1995, there was a general increase in damages, not year-
25 by-year but a trend up. from say 1983 when the Circuit

1 Court was put in play or 1982.

2 Since 1995, as you will see in the preceding
3 charts, the median damages -- I say median because it
4 kind of smooths out some of the volatility -- has stayed
5 fairly constant. Just to break apart a little bit what
6 we have in our database during this period, we looked at
7 something like 1,562 cases, and of those, about half or
8 so are resolved at summary judgment, the other half
9 going to trial.

10 At summary judgment, the vast majority are ruled
11 in favor of the alleging infringer. I've split this
12 really just between patent holder and infringer rather
13 than plaintiff and defendant because I think that's a
14 more reasonable or appropriate way of looking at.

15 Professor Janicke came up to me before the
16 meeting here and said, Your summary judgment wins for
17 the patentee seem a little bit high. I looked at the
18 data. That's what it looks like, at least over 14
19 years, but it's still very -- the patentees seem to make
20 out much better at trial, and you will see, when we split
21 it apart, why.

22 They prevail about 56 percent of the time at
23 trial, only about 19 percent of the time at summary
24 judgment, but that number may be higher for different
25 reasons at summary judgment.

1 A win, by the way, is defined as any beneficial
2 interest that the patentee derives. It may not be what
3 they've asked for, but if they receive beneficial
4 interest, we've categorized that as a win.

5 Here are some key findings before I get too
6 heavily involved in the data. First of all, as I had
7 mentioned, median damages have stayed fairly constant,
8 although I will say, and you will see, that the juries
9 have awarded much higher damages from those trials,
10 particularly in the last several years, in this decade,
11 and we are getting higher trends in these damages
12 recently.

13 Non-practicing entities are also getting
14 slightly higher damages recently, although this is kind
15 of a time lag in terms of the rulings that are currently
16 taking place in the Supreme Court and elsewhere
17 regarding jurisdiction, venue, and so forth, so perhaps
18 in the future we might see non-practicing entities have
19 damage awards tailing off a bit. But there is great
20 disparity between districts, and we've got a chart kind
21 of looking at that.

22 The use of juries have increased markedly in
23 this decade. Reasonable royalty has now become the more
24 prevalent measurement of damages. We have a chart that
25 looks at how you split apart the damage awards between

1 lost profits, reasonable royalty and price erosion. But
2 what it doesn't do so much is the frequency of
3 measuring damages. You look at that.

4 Patentees' success rate is 36 percent overall,
5 dragged down by the summary judgments, but when we
6 get to trial, it's at 56 percent. When you get to
7 juries, Professor Janicke's 75 percent may be a little
8 low, at least looking over that seven or eight years, but
9 right around in the same ball park.

10 Finally there's three districts that seem to
11 stick out a bit in terms of patentee success rate: The
12 Eastern District of Virginia, Pennsylvania Eastern and
13 Texas Eastern, and those three districts, out of some 90
14 districts, make up 25 percent of all non-practicing
15 entity filings, and we'll take a look at that, okay.

16 Into the data. Over the years again from 1995
17 through 2008, you can see that it's been relatively
18 constant. In the years 1996, 2001 and 2005 we see the
19 spikes in the bars, and the reason why the medians have
20 been up that high is because the lower damage award
21 cases, of less than \$2 million, are less in those years.

22 There weren't any more higher-value damages,
23 just less of the lower-value damages, so it's kind of an
24 anomaly. It's a statistical measure. We've tried to
25 smooth that out, but another way of looking at this is

1 if you look at damages of greater than \$10 million.
2 Again all of these numbers have been corrected to 2008
3 dollars -- the earlier years have been inflated so
4 that we have a real look at the dollars and not simply a
5 nominal look.

6 Taking that into account, there are some 122
7 cases over these 14 years that were greater than \$10
8 million, and something like 30 percent of them have
9 occurred in the last three years. Then if we look at
10 cases at \$100 million or greater over 14 years, we
11 see -- what is it, I have the number here, something
12 like 22 cases.

13 Of those 22 cases, almost half have occurred in
14 the past three years, and I will say 2008 has been a
15 record year for both over \$10 million and over \$100
16 million cases, six in fact of 22 just in 2008 alone.

17 So something is happening to the damages. They
18 are increasing. If you look at averages or if you look
19 at large cases, they have increased markedly in the past
20 few years, although the medians have been staying fairly
21 constant, so you have to look under those calm waters a
22 bit.

23 We split that information now between juries and
24 bench trial. Bench trial is in the dark blue. The jury
25 trials are in the light blue. You can see a great

1 disparity, and it's growing. Just to put it in
2 perspective a bit, you can see that the median jury award
3 is now over ten times -- over
4 ten times greater than the median bench trial award over
5 the past several years.

6 If you look at it by decade, in the '80s and
7 '90s, juries awarded about one and a half times what a
8 bench trial might award. In the decade of the 2000s, it
9 is almost ten times. So something is happening, and
10 that is what's driving some of these not only the
11 success rates but the damage awards.

12 We split it apart between practicing and non-
13 practicing entities. It's volatile. The practicing
14 entities being the dark blue, the non-practicing being
15 the light blue. There are times when the non-practicing
16 entities have done very well, and they seem to have a
17 slight trend upward where the practicing entities have
18 been fairly consistent.

19 We tried to again smooth the data so that you
20 could really see what's happening. If we try to do this
21 on averages, it would be all over the place, but there
22 is an upward trend of non-practicing entities. Again
23 this is kind of a time lag because what's happening over
24 the past year won't be really reflected for a year or
25 two down the road.

1 The use of juries, back in 1995, only about 16
2 percent of all trials were jury trials, and now we're up
3 42, 43 percent the past few years, so it's almost
4 tripled.

5 Now, if we look at the measurement of damages,
6 and we did this by decade, again this is by dollars
7 awarded, back in the 1980s, the reasonable royalty, the
8 middle bar, the mid-blue, was about 44 percent. It's now
9 grown to 54 percent as an allocation of the damage
10 dollars.

11 If you look at the occurrence, the number of
12 times that measurement of damage has been used, back in
13 the 1980s, it was most likely in the 30 percent, and now
14 it's over 60 percent. So it has occurred almost twice in
15 terms of frequency, and the dollar amounts haven't grown
16 quite the same, so definitely it's the measure and the
17 choice, and there's reasons for it.

18 One is this capacity issue, non-practicing
19 capability issue. The non-practicing entities, not
20 having the manufacturing or distribution capabilities, are
21 becoming more prevalent, and that tends to be the driving
22 force for the measurement of damages.

23 Then you have a cost issue. It does cost more
24 to do a lost profits calculation, and there's more
25 involved with having to look at the market, look at

1 alternate substitutes and so forth.

2 You get into confidentiality issues of company's
3 themselves not wanting to disclose such key information
4 like their product costs, their profitability, what
5 pricing schemes they use by customers. And then finally,
6 we've got a competitive issue. There is a more global
7 market, and it is becoming more difficult to niche a
8 dispute into just two companies. Even though there is a
9 lot of splitting between the lost profits and the
10 reasonable royalty. Just the competitive angle, the
11 distribution channels, the demographics and the
12 customer.

13 It's hard to really say only the patent holder
14 and the infringer are the only ones competing. It's
15 just -- that's what's happening, and that's what's
16 driving this kind of movement.

17 Now, if we take a look again over the overall
18 win rates beyond the damage awards, and I would look at
19 success rate, overall, over 14 years, the patentees have
20 prevailed 36 percent of the time, 19 percent at summary
21 judgment, 56 percent at trial, but there's a trend, and
22 let's look at some of the trends.

23 First of all, let me split them apart between
24 practicing and non-practicing entities. The practicing
25 entities are much more successful, in any

1 measure -- overall, summary judgment and trial.

2 Success rates year-by-year, you can see the
3 median line at 36 percent. There is an upward trend.
4 It dropped off a little bit in 2008, but really in the
5 last four years, it's been above the median over the 14
6 years, and so the success rates are happening. Why are
7 they happening? Let's split that data up a little bit.

8 First of all, if we split it up between
9 practicing and non-practicing entities, the practicing
10 entities prevail much more often, but the non-practicing
11 entities in the recent past have been a little more
12 successful. There's a trend upward with that.
13 Practicing entities have always been higher, but their
14 medians have been fairly stable in terms of success
15 rate.

16 The big change is when you look at trials. At
17 trials now we're looking at 56 percent being the
18 median, but there's a general slight upward trend in
19 terms of success rates with really out of the last,
20 what, seven years, five of the seven years -- or actually
21 six of the eight years -- being above the median.

22 Why? Well, if you look at jury trials, again
23 the bench trials are in the dark blue, the jury trials
24 being the light blue, jury trials were always more
25 successful for a patentee than bench trials, but even

1 more so in the past few years, and it's growing, that
2 disparity.

3 You can see a year-to-year anomaly, but what we
4 can see is over 14 years, patentees prevail at jury
5 trials 79 percent of the time, only 44 percent of the
6 time at bench trials, and the trend is moving. It seems
7 that recently it's moving up, but it's been higher going
8 back.

9 Again, this is data coming from Westlaw,
10 publicly available and so forth. There may be other
11 factors involved.

12 If we look at the success rate of practicing and
13 non-practicing entities at trials, again we see the
14 practicing entities generally more successful than the
15 non-practicing entities. However, the non-practicing
16 entities in the recent years have moved up markedly, and
17 again there's a time where that may come back down
18 again.

19 So all of these factors, increasing use of
20 juries, the non-practicing entities filing more
21 frequently, jurisdictional strategies and venues and so
22 forth, all play a part in increasing success rates and
23 increasing damages.

24 Very quickly the top three as I mentioned,
25 Eastern Virginia, Eastern Pennsylvania, Eastern Texas,

1 we rated them based on median damages, trial success,
2 summary judgment success. We didn't have the time, and
3 we do this in our report, we do time to trial and
4 include those in the rankings too, but you can see how
5 they sort down.

6 The 21 that we show here are where we had
7 districts with the at least 20 decisions over the 14
8 years, so we don't look at all 90. We look at the 21
9 that have at least 20, what we feel are some statistical
10 significance in the numbers.

11 Finally, if we look at the non-practicing
12 entities filings, New York Southern, Illinois Northern,
13 Texas Eastern are the three most prevalent. They make
14 up 25 percent of the non-practicing entity filings again
15 over this 14 year period. The top 10 over half, I guess,
16 10 out of 90 that we have.

17 And so quickly, the concluding thoughts are
18 patent litigation is still a good, effective protection.
19 It may not be a cost benefit. There are some issues
20 with that, but it is a way to monetize the patents.

21 The forum and venue, very important. Juries are
22 awarding patentees higher damages and have higher
23 success rates, and there's a great disparity between the
24 districts. The patentees are winning more often
25 recently at trial, although these are trends, and

1 damages are also trending higher.

2 Finally, non-practicing entities, although
3 they're not as successful as practicing entities, have
4 had some recent increases in the damage awards.

5 Thank you.

6 MR. ADKINSON: Thank you very much. I should
7 emphasize that there is more data available in Mr.
8 Levko's annual assessment of damages and also at
9 Professor Janicke's web site, patstats.org.

10 We are going to take a very brief break now.
11 Shall I first introduce the speakers? We'll take a
12 break, but it's going to be a very short break as we
13 assemble the panel, and we're going to come back and
14 introduce the speakers. Thanks.

15 (Whereupon, a brief recess was taken.)

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1 PANEL 1:

2 MODERATORS:

3 SUZANNE MICHEL, FTC

4 BILL ADKINSON, FTC

5 PANELISTS:

6 BRUCE BURTON, Senior Manger Director, FTI

7 TOM COTTER, Briggs and Morgan Professor of Law,
8 University of Minnesota Law School

9 ANNE LAYNE-FARRAR, Director, LECG, LLP

10 PAUL M. JANICKE, HIPLA Professor of Law, University of
11 Houston Law Center

12 DR. GREGORY K. LEONARD, Senior Vice present, NERA

13 GAIL LEVINE, Assistant General Counsel, Verizon
14 Communications, Inc.

15 ARON LEVKO, Principal, PricewaterhouseCoopers

16 EDWARD R. REINES, Partner, Weil, Gotshal & Manges, LLP

17 JOHN SKENYON, Principal, Fish & Richardson, P.C.

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19 MR. ADKINSON: I would like to introduce the
20 rest of the panel. You've already been introduced to Mr.
21 Levko and Professor Janicke. In addition, we have Bruce
22 Burton, who is senior managing director at FTI. FTI
23 Consulting, Inc., is a leading expert witness and
24 consulting company. He is leading FTI's technology and
25 intellectual property management practice.

1 He has extensive experience providing litigation
2 support, valuation and other consulting services
3 focusing primarily on intellectual property, innovation
4 and technology. He's testified frequently on matters
5 related to intellectual property valuation and damage
6 issues, and he's led teams that have assessed or valued
7 over 500 technologies.

8 We have Anne Layne-Farrar, who is a director
9 with LECG. She advises on a wide range of matters for
10 clients, including competition, regulation and
11 intellectual property issues. She specializes in
12 antitrust matters that have, at their core, the
13 intersection of intellectual property economics and
14 competition policy. She's published articles on a wide
15 range of topics in this area.

16 Greg Leonard is senior vice president NERA's
17 antitrust and intellectual property practices. He
18 focuses on applied microeconomics and econometrics. He
19 has extensive experience as a testifying expert on IP and
20 antitrust before courts and government agencies.

21 He's published widely on issues of antitrust and
22 IP, and he's edited a book entitled "Economic Approaches
23 to Intellectual Property, Policy, Litigation and
24 Management," which includes an extensive discussion of
25 intellectual property litigation and patent damage

1 presentations in court.

2 Gail Levine is assistant general counsel at
3 Verizon Communications where she handles a wide array of
4 high-tech intellectual property and competition policy
5 strategy issues. She recently co-edited the ABA's
6 handbook on antitrust intellectual property.

7 Antitrust has been one of her main fields, and
8 among her positions has been work here at the FTC, where
9 she was attorney advisor to Chairman Majoras, and also
10 deputy assistant general counsel during which time she
11 played a key role in the FTC's 2003 report on patent
12 policy.

13 Ed Reines is a litigation partner in the Silicon
14 Valley office in Weil, Gotshal & Manges. He has an
15 exceptional IP practice. Among many activities, he is
16 immediate past president of the Federal Circuit Bar
17 Association, and he's chairing the National Model Jury
18 Instructions Project. He also teaches patent law at
19 Boalt Hall School of Law.

20 Finally John Skenyon is a principal in Fish and
21 Richardson's Boston office. He specializes in patent
22 litigation for 30 years. His extraordinary experience
23 includes having been lead counsel in over 100
24 intellectual property lawsuits. He's also the principal
25 author of a leading book in the field entitled "Patent

1 Damages, Law and Practice."

2 So without further adieu, we'll go to the panel.

3 I greatly regret that I forgot to mention the
4 person who wrote the first article in this field that
5 I read, Tom Cotter. Tom hails from the
6 University of Minnesota and participated in our December
7 5th hearings and has written widely on this subject,
8 including a book that he coauthored with Roger Blair.

9 MS. MICHEL: All right. Thank you. For any of
10 you who missed the morning presentation, it is being --
11 this whole day is being web cast, and the web cast will
12 stay up on the FTC web site. You can go back and catch
13 it later. We're generating a transcript, which will be
14 posted on the FTC web site, as is the transcript from our
15 December 5 hearing.

16 We are very fortunate to have this group of
17 panelists today. Bill and I will be posing questions to
18 which they will respond. If any panelists would like to
19 respond, just please turn up your table tent, and we
20 will call on you, and we'll see how that progresses.

21 I want to start with the big question of: Why
22 does it matter? Why is it important to get the damages
23 calculation right? What are the problems with over-
24 compensation and under-compensation?

25 Ed, first on the draw there? Go ahead.

1 MR. REINES: Well, I think the important thing
2 to keep in mind, especially when reviewing the
3 statistical charts that we saw, is how many of the cases
4 never get to complaint and never get to trial, so that
5 you really have a magnification process where the
6 anomalous outcomes at trial or fear of anomalous
7 outcomes at trial can drive a whole range of
8 decision-making that's all the way upstream, and the
9 numbers start virally replicating.

10 So I think the short answer is it's important
11 because not just the outcome of trial for trial's sake
12 but also payments that go on throughout the system.

13 MS. MICHEL: Tom?

14 PROFESSOR COTTER: There's a sense in which we
15 can never really know whether patentees are over- or
16 under-compensated. It depends in large part on whether
17 the substantive law reaches the right balance of social
18 cost and social benefit, but I think we have to proceed
19 based on the premise that the substantive law reaches
20 the right balance and that patent law remedies should
21 try to replicate what that substantive law balance is.

22 So the danger, if that premise is correct -- the
23 danger of under-compensation is that the patentees will
24 have an insufficient incentive to innovate and to
25 disclose the fruits of their innovation if damages are

1 inadequate. The other side of the coin is that if
2 damages are too generous, if they make patentees better
3 off ultimately as a result of infringement and then
4 obtaining damages at trial, they're taking a substantial
5 risk of over-deterrence as well, that companies that want
6 to use technologies may wind up investing more than is
7 socially optimal in designing around.

8 They may be reluctant to engage in innovation
9 that might inadvertently wind up infringing some
10 existing patent or patents, so I think there are dangers
11 from both over-and under-deterrence that we would like
12 to avoid.

13 MS. MICHEL: Aron?

14 MR. LEVKO: Yeah. Some of the things that have
15 been mentioned. Regarding the effects of over-
16 compensation, first of all, you've struck freedom to
17 practice and reduced the business flexibility. Second
18 of all, you increase the investment costs, and just
19 because of the investment costs, the return on
20 investment is reduced in that regard. Third, as Tom had
21 mentioned, you deter competition. These are over-
22 compensation issues.

23 Fourth, you increase litigation. That's the
24 honey pot that draws these cases, especially in certain
25 jurisdictions, and finally from an economic standpoint,

1 you just move resources to less productive means, which
2 is more money going after -- in an over-compensation
3 sense, not going to the highest use.

4 Regarding under-compensation, as mentioned, you
5 reduce innovation, but it's even more than that. You
6 reduce particularly small business formation which is
7 the job growth in the country. You also reduce return
8 on investment, because you reduce the returns for making
9 those investments on innovation.

10 Finally you encourage infringement. If an
11 infringer feels that they're going to get a better shake
12 at trial, although there's a lot of cost to that, they may
13 not agree to a commercial license. So extremes on both
14 parts are not good, and so that I think the focus here is
15 to strike a balance.

16 MS. MICHEL: Bruce?

17 MR. BURTON: Just to add a few minor points and
18 really focus a little bit on alternatives. If you're
19 being under-compensated for your infringement, you will
20 tend to seek other remedies or other remedies become
21 more important, so you might think in terms of a
22 trade-off between damages and injunctions, injunctions
23 will become more important.

24 You might find that you'll do more with trade
25 secrets. You will make an effort not to invest in the

1 lawsuit but rather you'll keep this technology secret,
2 and you will lose the social benefit of the sharing of
3 the knowledge and information from making it public.

4 Also, with decreased damages, not only
5 domestically, but you will encourage infringement
6 internationally. It's less onerous if you're a foreign
7 competitor coming in and you infringe on a U.S.
8 technology if the penalty is smaller.

9 MS. MICHEL: The patent statute talks about
10 damages adequate to compensate for the infringement, so
11 what are the goals of patent damages? Is it just to
12 compensate the patentee for the infringement in the
13 sense of the but-for world, or should we have some other
14 goal in terms of deterring infringement? Anne?

15 MS. LAYNE-FARRAR: I think it cannot just be to
16 make the patentee whole in terms of providing a
17 reasonable royalty, because, of course, not all
18 infringements are detected, so you already have a
19 situation where some infringements will go by unnoticed.
20 And if the reward then is simply to put back what a
21 license would have achieved, you're going to increase
22 that number of people trying to infringe, trying to get
23 under the radar of not being detected.

24 So it has to have some element of deterrence to
25 it in order to strike the balance that the earlier

1 speakers talked about, so that we get the right amount
2 of innovation and commercialization and disclosure
3 within the economy.

4 MS. MICHEL: Gail?

5 MS. LEVINE: I think that's a really important
6 question, asking what the goal of the damages award
7 should be, what are we trying to do here? It might be a
8 question that a lot of jurors ask themselves when
9 they're asked to calculate the jury award.

10 For reasons that Professor Janicke earlier
11 mentioned the *Georgia-Pacific* grab bag of factors, the
12 15 factors that jurors are today asked to consider,
13 don't necessarily give them a whole lot of guidance.
14 Sometimes the grab bag of factors is simply presented to
15 the jury, and the jurors have to figure out or sort of
16 divine from that what kind of reward to give.

17 It would make a lot more sense if the jury was
18 instructed as to what the goal of its damages award
19 should be, what is the governing principle that is
20 behind all of those *Georgia-Pacific* factors and the rest
21 of the sort of economic and social welfare maximizing
22 goal of patent law.

23 One ingredient of that might be a rule that says
24 that what you get in a reasonable royalty damages award
25 is the technological value of the patents, and by that

1 of course I mean the value of the patent as against its
2 next best alternative, it's next best non infringing
3 substitute, and that reasonable royalty damages should
4 never include the hold-up value of the patent.

5 MS. MICHEL: Tom, your thoughts on deterrence
6 versus straightforward compensation?

7 PROFESSOR COTTER: Well, I think the two are
8 interrelated. As far as I can see this, the goals of
9 patent damages law should be dual: One, to maintain the
10 patent incentive, and secondly, to deter infringement but
11 also to avoid the risk of over-deterrence.

12 I think as a first approximation, putting to one
13 side the issue of when injunctions are appropriate and
14 when damages are appropriate, just focusing on the
15 damages aspect of the question, I think as a first
16 approximation, compensatory damages, but-for damages,
17 probably serve both goals reasonably well.

18 If the patentee is assured that he will
19 obtain -- that he will be restored to the position that
20 he would have occupied but for the infringement, that
21 maintains the patent incentive and should be sufficient
22 to deter infringement once we factor in the litigation
23 costs that a potential infringer would have to incur if
24 it uses the technology that it was found to have
25 infringed.

1 I think in order to deal with the risk of not
2 being detected, there is a role for enhanced damages to
3 play in some cases, and one of the reforms that I would
4 like to see instituted some day would be to make the law
5 of willful infringement or enhanced damages somewhat
6 more rationale by tying damages enhancements to the risk
7 of under-detection. I know there's a wide body of law
8 in economics literature on punitive damages that seems
9 to me could be applied in this context.

10 As far as compensatory damages are concerned, I
11 think, first of all, if we're dealing with lost profits,
12 as Paul pointed out, the law today more or less I think
13 is rational insofar as the patentee is entitled to its
14 but-for lost profits, those profits that it would have
15 earned but for the infringement. I think that's at
16 least what the Federal Circuit case law is driving
17 towards in that respect.

18 The law of reasonable royalties I think is much
19 less easy to rationalize because we do have these
20 *Georgia-Pacific* factors, which can be so easily
21 manipulated by the trier of fact to reach virtually any
22 outcome, and I think in terms of trying to rationalize
23 the law of reasonable royalties, again there's really
24 two possible rational approaches, and I think one or
25 the other ought to be adopted or maybe there should be

1 the option of applying one or the other.

2 But one, and the one that I think is reflected
3 in Professor Janicke's slides toward the very end that
4 we didn't really get to during the first part of the
5 program and also reflected in Gail's comments -- one
6 approach to reasonable royalties would be to award the
7 patentee the value of the patented invention ex post.

8 And so John Schlicher, for example, has argued
9 that reasonable royalties should be based upon the
10 profits the infringer made with the patented invention
11 minus our best estimate of what those profits would have
12 been without the patented invention. That's the
13 economic value of the invention ex post.

14 The other alternative, which is I think somewhat
15 easier to shoehorn into existing law, is to focus on the
16 ex ante hypothetical bargain between the patentee and
17 the infringer and ask: What bargain would the parties
18 have struck ex ante if they were trying to negotiate a
19 license?

20 I think either measure of damages has its
21 benefits and its disadvantages. One possible problem
22 with the ex post or restitutionary measure of damages is
23 that after the fact, the infringer may be locked into a
24 particular technology, and so if we're asking what
25 profits would the infringer have made, using the next

1 best alternative, well maybe that next best alternative
2 really never got developed because the infringer,
3 perhaps inadvertently went down a particular
4 technological path. So I think there's a risk of
5 exacerbating patent hold-up to the extent that it
6 happens, whether it's common or uncommon, if we use the
7 ex post approach.

8 If we try to replicate the bargain the parties
9 would have made ex ante, that's obviously a very
10 speculative sort of enterprise as well, but in some
11 rough sense, it does restore the parties, as best as we
12 can do this, to the position they would have occupied
13 but for the infringement.

14 So I think there's something to be said for
15 using the hypothetical negotiation technique but trying
16 to make it more closely reflect what those negotiations
17 really would have looked like in the real world.

18 MS. MICHEL: Thank you. Tom has done a great
19 job of laying out I think the majority of issues that
20 we'll be covering through the morning, as he always
21 does, and I highly recommend what I think to be one of
22 the seminal articles in this area, his *Rethinking*
23 *Patents Damages* article for anyone interested in this
24 topic.

25 So Tom has really laid out for us the importance

1 of creating a but-for world when you're thinking about
2 compensatory damages.

3 Paul, let's go to you next in the sense of: Is
4 creating that but-for world a sufficient means to create
5 both the compensation for the patentee that we want and
6 the deterrence effect and what are the goals of the
7 patent system here in the sense of how to create that
8 deterrent effect also?

9 PROFESSOR JANICKE: The goal is in the
10 Constitution, and if I were king, I would tell the jury
11 only that, that the progress of the useful arts is the
12 keystone, and the value added by a particular patent is
13 what they should be looking at.

14 And just to make clear, I don't claim to have
15 invented or originated this formulation. Lots of people
16 have proposed it, but my idea is to tell the jury that
17 some portion of the value added is what they ought to
18 award in light of the Constitutional purpose.

19 It's hard to argue when it's in the
20 Constitution, and I would throw out everything else.

21 MS. MICHEL: All right. Aron?

22 MR. LEVKO: Yeah. Well, first of all, if you're
23 talking a but-for world, that pertains primarily to lost
24 profits sort of damages. When you get into reasonable
25 royalty, you get into all these analyses and factors and

1 so forth, but I guess the thing that is -- I guess
2 there's a disconnect here, is if we're focusing on
3 reasonable royalty damages, which I think is the focus
4 primarily of the discussion this morning, connected to
5 economic thought, you really need to connect it more to
6 what happens in a real life situation, negotiations.

7 In the real life negotiation, you have four
8 primary risk factors that need to be accounted for as
9 part of the valuation of a patent. You take into
10 account the legal risk. You take into account the
11 technology risk: Does the patent actually work? Third
12 you need to take into account the commercial risk, and
13 fourth, the regulatory risk.

14 In a litigation sense, you've removed the legal
15 risk, so automatically that should increase the damage
16 award beyond fair market value because legal risk, one
17 way of measuring it is you can see, just from my
18 studies, that the patentee prevails 36 percent of the
19 time.

20 Now, that may be high, but right there the legal
21 risk knocks it down, what, by 64 percent, so you can see
22 that damages probably should be higher than a fair
23 market value by a multiple, and then when you take a
24 look at commercial risk, you got the benefit somewhat of
25 20/20 hindsight because you're looking at a trial where

1 commercialization has taken place.

2 So even though you're trying to set up a
3 hypothetical negotiation, that hypothetical
4 negotiation's based on both known and knowable facts,
5 and some of the knowable facts is the patent is somewhat
6 been commercialized, so that risk factor has been
7 reduced.

8 And I guess what you need to take a look at is
9 valuation principles. If you're going to bring the
10 legal concept into damage calculations and get past
11 the attempt at trying to frame this up in the form of
12 either *Georgia-Pacific* factors or *Panduit* factors or but
13 for, valuation concepts such as like Revenue Ruling
14 5960, which is used for business valuation, a ruling
15 like that that frames intangible asset valuation like
16 Ruling 5960 frames for tangible asset or business
17 valuation might be invoked here.

18 And that's how law can give us a proper ball
19 park to play within rather than simply playing with no
20 boundaries, which is what's happening today.

21 MS. MICHEL: I would like to spend a little time
22 on lost profits before we dive more in-depth into
23 reasonable royalties. We've done an excellent job of
24 laying out the ground work there.

25 Greg, any thoughts on this concept of

1 compensating the patentee in trying to recreate the but-
2 for world?

3 DR. LEONARD: Well, in lost profits, yes, I
4 think the idea of the but-for world is to return the
5 patentee to the financial position it otherwise would
6 have been had the infringement hadn't occurred.

7 The interesting thing I think about that is a
8 lost profits award actually has the ability to do some
9 amount of deterrence as well, although it's primarily
10 meant to be compensatory, whereas a reason reasonable
11 royalty award, by its very nature, actually can't be
12 deterrent at all in some sense, aside from the
13 litigation cost.

14 The reason for that is that if you're a
15 potential infringer and there's some action you could
16 take to avoid infringing, in other words, design around,
17 you're only going to take that action if the probability
18 of being sued and losing and paying a damage award
19 exceeds the cost of that design-around.

20 And yet the damage award in a reasonable royalty
21 case is exactly tied to the same design-around costs
22 that you were thinking about in the first place, at
23 least if it's done correctly.

24 So in that sense, if the damage award is just
25 based on that design around cost and you're always going

1 to take the risk and infringe and see what happens
2 because if you lose, you pay that same amount, and if
3 you win, of course you don't have to pay anything.

4 So reasonable royalty award I think doesn't have
5 much deterrence value at all, whereas a lost profits
6 award does, at some level just simply because they tend
7 to be larger, but also it's unlinking the damage award
8 from the very costs that somebody can take to design
9 around the patent in the first place.

10 I do want to go back. This happens in these
11 things, I want to go back to something that was said
12 before.

13 MS. MICHEL: Absolutely.

14 DR. LEONARD: Just to this issue of deterrence,
15 I think there's a tendency to think about people who
16 have challenged patents or test patents as perhaps doing
17 something wrong, but we should remember that there is a
18 high probability that in the end that they win.

19 And do we really want to be deterring the
20 testing of patents? I think the thing to think about
21 there is that, first of all, when we do -- somebody does
22 go forward and challenge a patent and wins in court,
23 they've done a public service. They've removed a bad
24 patent out of the way of people who might want to use
25 that technology to innovate and produce products.

1 So they've done a public service, and yet it is
2 a public good because if I'm the one to pay to challenge
3 the patent, that benefit runs down to other companies as
4 well, so I think we want to be very careful about
5 deterring the testing of patents through the over-
6 compensation or any kind of deterrence.

7 Would you like me to just comment on lost
8 profits in general?

9 MS. MICHEL: Sure.

10 DR. LEONARD: I think the problems in lost
11 profits, and actually I think the problem is true of
12 reasonable royalty as well, is what the law provides for
13 right now is sort of a list of factors, so in the lost
14 profits side, it's the *Panduit* factors, and on the
15 reasonable royalty side, it's the *Georgia-Pacific*
16 factors, and this is just sort of a list of ideas.
17 Somebody mentioned it was a grab bag, and that's
18 essentially what it is.

19 What we really need is a framework, conceptually
20 sound and coherent framework that lays out this is how
21 you do it, and the valuation principles or for my point
22 of view the economic principles of supply and demand and
23 other things, if that was really codified and people
24 were held to it, experts were held to it by judges using
25 for instance their *Daubert* gatekeeping ability, I think

1 we would be in much better shape.

2 So on lost profits, I think the problem is that
3 the *Panduit* factors, they're stated as sort of necessary
4 conditions. Well, actually they're not necessary at
5 all, you can have lost profits, even if one or more of them
6 aren't satisfied. And the way the language is used is
7 ambiguous, it doesn't really match up well to economic
8 principles.

9 So really what I would like to do is throw them
10 out and replace it with a basic coherent economic
11 framework that really would correspond well to what's
12 done in an antitrust damages case or a commercial
13 damages case, and we can go through the details of what
14 that would be, but that's my basic thought on that.

15 MS. MICHEL: I was wondering about panelists'
16 responses to two points raised by Greg. One is that we
17 want to be careful in creating too much deterrence, and
18 also responses to his point that perhaps we should throw
19 out *Panduit*, it's possible to have lost profits without
20 *Panduit*.

21 Paul.

22 PROFESSOR JANICKE: Well, first I think
23 *Panduit*'s long been gone from the case law anyway, but
24 the derivatives of it might still be around.

25 My comment is really a question. Does the

1 Federal Trade Commission have authority to bring suit
2 challenging bad patents? If we're talking about
3 deterrence, if it's a bad patent that's causing trouble
4 out there, can you fix it or do you not have authority
5 to do that?

6 MS. MICHEL: It would be a very difficult
7 antitrust theory. I would say authority, that's a
8 harder question. As a matter of policy, I think we
9 would not do that. We would bring an antitrust or
10 unfair competition challenge to perhaps a patent
11 acquired by fraud and asserted.

12 PROFESSOR JANICKE: So you don't bring
13 declaratory judgment actions just to get rid of what you
14 think is a troublesome patent?

15 MS. MICHEL: No, I would say that there was not
16 authority to do that. That would be my own personal
17 opinion at this point, let me be real sure about that.

18 MS. LEVINE: We don't get to ask her questions.

19 PROFESSOR JANICKE: Curious.

20 MS. MICHEL: No. It's a good question. How do
21 you get rid of bad patents, and it goes directly to
22 Greg's point about wanting to be careful on the over
23 deterrence, so I understand where that's coming from.

24 Ed?

25 MR. REINES: I think the statutory scheme I

1 don't think permits punitive effects from reasonable
2 royalty or lost profit, and I think that's correct.
3 Like I said, I think the statutory scheme is set up
4 with compensatory damages in the form of lost profits
5 and reasonable royalty, and punitive damages in the form
6 of willful infringement or exceptional case otherwise. And
7 I think that's the right way to think about it.

8 Picking up on Greg's point, you know, there is a
9 cost to having to litigate just in all the witnesses,
10 all the time of management, and in the cost, so even if
11 you lose, there's sunk costs, unless you can prove an
12 exceptional case the other way. And on Aron's point, in
13 terms of what's the role within the reasonable royalty
14 analysis for some sense of, you shouldn't just be back
15 where you would be anyway if you're the patentee.

16 I think the legal certainty that you have is
17 taken into account in the current damages model, which
18 is the patent is assumed valid, enforceable and
19 infringed in the negotiation, which is never the case in
20 the real world.

21 So, I mean, I think that that's where you get
22 that value, but it should never be punitive, and the
23 problem with making it punitive is if people feel like
24 if they challenge a patent that's being asserted against
25 them all the way through trial, not only do they have

1 have all the overhead of having to deal with that, if
2 they're vindicated, but they also have this risk of sort
3 of being punished with all the ambiguity that's in the
4 system.

5 And as we all know in the courtroom and the jury
6 system, there's a lot of ambiguity. That itself I think
7 is going to prevent people from just infringing
8 willy-nilly, leaving aside even the willful infringement
9 aspect.

10 MS. MICHEL: Anne, and I do want to caution our
11 speakers to speak into the mike.

12 MS. LAYNE-FARRAR: I wanted to follow-up on the
13 deterrence point because I think again here it's an
14 issue of balance. We do want to encourage firms
15 practicing in the downstream market challenging patents
16 that they think are weak so that we weed out the bad
17 patents, but we also don't want to, at the same time,
18 encourage under-the-radar infringement.

19 So it's a tricky balance I think encouraging
20 challenging of patents, but not encouraging turning a
21 blind eye -- not conducting proper due diligence to find
22 out what you might or might not be infringing, trying
23 to, in other words, get away with the infringement on
24 the quiet because that's a very different kind of
25 behavior and kind of path that you do want to deter -

1 unlike the public good of weeding out the junk patents
2 that may make it through the system. So how you set that
3 balance I think is a tricky matter.

4 MS. MICHEL: Do you have any thoughts?

5 MS. LAYNE-FARRAR: How to solve that problem?
6 If I did, I would have a really great paper on my hands,
7 wouldn't I?

8 MS. MICHEL: Whether to address the problem,
9 perhaps not solve it, through the calculation of
10 compensatory damages or how we approach those
11 compensatory damages versus enhanced damages.

12 MS. LAYNE-FARRAR: Well, I think one of the
13 things that can be done on a case-by-case basis is look
14 at what was done before the infringement was discovered.
15 Was there any due diligence search at all? Did the firm
16 seek a license and was unable to come up with reasonable
17 terms? Was there some sort of aborted negotiation
18 process?

19 Factors like that that might suggest that the
20 manufacturer or the implementer was doing its best to be
21 fair and reasonable, to compensate for ideas that it was
22 implementing that weren't its own, as opposed to doing
23 something like turning a blind eye might have an effect.

24 And then the point that you mentioned, splitting
25 apart an award, what's a reasonable royalty that just

1 reflects the value that the patented technology
2 contributes, and then if you're going to add something
3 to that for deterrence factors, be clear and make that a
4 separate element. So that in using those awards and
5 damage awards and reasonable royalties on a going
6 forward basis, first of all, the implementer is paying
7 something reasonable going forward that doesn't count in
8 some kicker factor, but also so that other parties
9 looking at those rates may be wanting to use them as
10 comparables can use the appropriate level too, so that
11 there's a clean split between the ex ante/ex post
12 reasonable and damage's deterrent component.

13 MS. MICHEL: I want to go to Jack next.

14 MR. SKENYON: Just a couple things based on what
15 I've heard so far. I feel like I am in a Presidential
16 debate here. I am the candidate from the Greenpeace
17 organization, who got here because the ACLU won some
18 court case.

19 But a couple things that I've heard here are
20 very interesting and things I have really never thought
21 of quite from that perspective before. And one is this, is
22 Is that I think, what I just heard from Anne hit on, the
23 reason that some damages awards seem inordinately high
24 here, and that's how the case is tried.

25 She was talking about factors that deal with not

1 actually the infringement issue or the invalidity issue,
2 but factors that deal with the willfulness issue, what
3 did they do when? What did they do before? Did they
4 get clearance? Did they do these things?

5 My experience today is that basically most
6 patentees will try the case on willfulness as opposed to
7 infringement, and the recent one that I had, they spent
8 exactly two pages of transcript on the infringement
9 question, and five days on the willfulness question, and
10 I think you can understand why, because they're using
11 that to drive up the damages award.

12 If you want to fix some things here, just some
13 basic fixes that can be done, where you bifurcate
14 willfulness, and in fact actually bifurcate the damages
15 questions. The basic damages question I think, and I
16 think maybe some of the comments here I thought moved
17 away from it, was what you're really trying to do in
18 damages is award damages.

19 The patentee has been damaged. That's what
20 you're looking at, not a deterrence. I can't think of a
21 particular case where I've been interested in deterring
22 somebody else for my patentee, and although that is a
23 legitimate factor to consider in these things, and I
24 think when you talk about contribution, trying to value
25 the damages based on the contribution of the patent, I

1 think you get into an area of unfairness here because
2 the cases could be quite different dealing with the same
3 patent, and I'll give one example, and then I'll stop
4 here, but it would be this.

5 We had a case that involved a medical device,
6 and the market -- think of the market as divided up in
7 pie, three slices of the pie. The infringer's in one
8 slice, not in ours. We're in one slice, and we have
9 another competitor in the third slice. We're not
10 competing with the other competitor in the third slice.
11 There was a lawsuit -- there was a litigation, and there
12 was a damages award, but we're not head-to-head
13 competitors with them. That's one damage amount to us -
14 that they were using our patent.

15 The other aspect of this dealt with the first
16 competitor, who's not in our area, but comes in to our
17 area with the infringing device, takes over our area and
18 precludes us from marketing new products. Same patent,
19 but totally different situations in terms of damages
20 here. We're much more highly damaged, the numbers being
21 the same, from the second guy than the first guy.

22 So if you're looking at assessing damages based
23 on the contribution of the patent, you're actually
24 eliminating the differences between or could be
25 eliminating the differences between potential

1 infringers, and the position that they stand in can be
2 quite different in the marketplace and quite different
3 in terms of damage to the patentee in individual cases.

4 MS. MICHEL: Jack, have you seen a change in the
5 way willfulness is litigated since the Federal Circuit's
6 decision in *Seagate*?

7 MR. SKENYON: Not in terms of how it's actually
8 presented at trial, but in many cases, you don't -- I
9 think now what has happened is more times than not the
10 willfulness case is thrown out by the Judge at the end
11 of testimony as a directed verdict. I never saw that
12 before, but that happens now, but it doesn't matter to
13 the patentee.

14 The patentee has already put in the bad stuff,
15 the bad evidence, and basically the jury has all heard
16 it, and it will factor into the jury's decision on all
17 the issues.

18 MS. MICHEL: Gail?

19 MS. LEVINE: I wanted to go back to some of the
20 comments we were talking about earlier in terms of
21 reasonable royalties.

22 MS. MICHEL: Can we come back to that actually?

23 MS. LEVINE: That's fine.

24 MS. MICHEL: Tom, any comments on lost profits?
25 I want to bring out -- we'll bring out a couple more

1 points on lost profits.

2 PROFESSOR COTTER: I was going to say this one
3 thing about willfulness.

4 MS. MICHEL: Yes, please.

5 PROFESSOR COTTER: Just as an empirical matter,
6 I wonder how much infringement really does go
7 undetected. Again I think from a purely economic
8 perspective, the only reason why we would ever enhance
9 damages or award damages kickers is to provide an
10 adequate level of deterrence. If we think there are
11 some infringements that are going undetected, then some
12 sort of enhancement would bring the level of deterrence
13 up to the optimum.

14 I wonder how much infringement really does go
15 undetected or if there's any way even empirically to
16 estimate that. I mean, I don't really see how you would
17 do that, but if there is not a lot of undetected
18 infringement, then maybe there really isn't very much of
19 a role for willful -- for damages enhancements or
20 damages kickers to play in patent law.

21 I mean, I can imagine that process patents might
22 be fairly easy to infringe without being detected, but
23 how many products, actually infringing products do go
24 undetected? I don't know what the answer to that is,
25 but if it's a relatively small number, maybe then

1 damages enhancements really ought to really play a small
2 role as well.

3 MS. MICHEL: Bruce?

4 MR. BURTON: You asked for comments about lost
5 profits. I just wanted to share some information from
6 doing a lot of cases and see what the panels' experience
7 is as well.

8 Essentially what seems to be happening in the
9 lost profits cases is there -- although there's still
10 the pro forma addressing of the *Panduit* factors -
11 essentially what goes on is a determination of whether
12 the patent owner would have made the sales, infringing
13 sales, and essentially you can almost collapse it all
14 down to: Can you go into court and prove that you would
15 have made those sales.

16 And if you can do that -- you are reconstructing
17 the marketplace, if you can do that, you're going to be
18 entitled to your lost profits.

19 MS. MICHEL: In that sense, the apportionment
20 issue has arisen in the case law, or was created in the
21 case law in the lost profits context, to try to address
22 the situation in which the patent owner's profit is not
23 necessarily attributable to the patented invention, if
24 that invention was one piece of a larger product.

25 How does the law respond to this problem in lost

1 profits? How should the law respond? Aron?

2 MR. LEVKO: First of all, the question of
3 apportionment of lost profits, *Panduit* factors are fine
4 as a pro forma as has been pointed out by several folks,
5 and maybe even useful. The but-for situation should
6 take into account really not just the market definition,
7 but the market size and segmentation.

8 Oftentimes an infringer comes into the market,
9 and I'm not pro infringer or patentee because I have
10 testified about equally for both, but I have had several
11 instances where the alleged infringer comes into the
12 market and enlarges the market through advertising,
13 through reputation, through service levels that don't
14 deal specifically with the functionality of the product.
15 Another aspect -- and that isn't reflected all the time
16 in this litigation.

17 The other thing is that pricing mechanisms need
18 to be taken into account. A slightly different price,
19 lower price or creative pricing might indeed again
20 enlarge the market or get to certain customer
21 demographics that the patent holder didn't have
22 initially.

23 *Crystal Semiconductor* is a case in point where
24 just doing an elasticity sort of economic analysis could
25 skew exactly how many units really could be claimed as

1 lost profits. And then finally the infringer, if they
2 didn't have that infringing product in the market, might
3 have another product.

4 *Grrain Processing* is a case in point, and it's
5 not just an alternate design. You could go with the
6 previous model, and then what happens to all the other
7 competition? They don't stay static either. If the
8 infringer was not in the market, who knows if the
9 competition wouldn't have grabbed a market share? So
10 this *State Industry v. Mor-Flo*, which is a good
11 start, isn't simply a static market by trying to pull
12 the infringer out.

13 Antitrust law tries to take into account
14 somewhat a dynamic market and has various concentration
15 models and so forth. I am not saying that the patent
16 litigation needs to adopt all of that, but certainly a
17 *Panduit* factor is not broad enough.

18 Very quickly on the question of willfulness: I
19 didn't do the study this year or last year, but two
20 years ago in our database, we did do a study of
21 willfulness, and we found that something like -- it's
22 about over 12 years, about 10 to 15 percent of cases
23 have enhanced damages. The average enhancement was
24 something less than one and a half, so there is some use
25 of enhanced damages, not as much as you think and not in

1 terms of frequency or amount.

2 But that's some reflection of at that time
3 whether there was an independent opinion and the
4 behavior of the parties during litigation and so forth,
5 just to put some thought into different aspects of it.

6 MS. MICHEL: Thank you. So there is quite a bit
7 to think about in doing that lost profits calculation.
8 One of the issues that does come up that's difficult to
9 address is how to assess the lost profits when the
10 patented invention is only a small piece of a bigger
11 product, and the law talks about apportionment and the
12 entire market value rule in the lost profits context.

13 Do the panelists have any comments on the role
14 of the entire market value in the lost profit context
15 rather than the reasonable royalty context and what kind
16 of senses that rule makes in identifying damages to
17 compensate the patentee?

18 Greg?

19 DR. LEONARD: Sure, I would be happy to address
20 that one, one of my favorite topics. Again I think the
21 problem here is that if we took the right approach, all
22 of these problems just disappear or they're taken care
23 of, okay, if we do things right.

24 So, for instance, if it's a small piece of a
25 patented product or of a product the defendant's

1 offering, we have to decide what small means, first of
2 all, but the way to do that is just say what would the
3 defendant have done in the but-for world where it didn't
4 infringe.

5 Now, that may be as Aron was saying -- maybe
6 they had an older product they could have offered.
7 Maybe there's a different way to offer that infringing
8 feature. Maybe the infringing feature could just be
9 dropped from the product, and you offer a somewhat
10 inferior product.

11 The first thing you have to do is figure out
12 what to do there, and then you say: How would consumers
13 have responded to that, and some consumers are going to
14 have decided not to buy the alternative product or maybe
15 there's no product at all in which case they would all
16 have to switch to something else, but you figure out how
17 many of them would have gone to the patented product.

18 And again in antitrust we're doing something
19 similar all the time, and so in a merger analysis, we're
20 interested in how close the two merging companies
21 compete with each other. Well, here it's the exact same
22 thing: How close does a patent owner's product compete
23 with the defendant's product, and if the defendant's
24 product were changed or weren't on the market, where
25 would those customers have gone?

1 So it's very straightforward, and you don't have
2 to get into apportionment or you don't have to worry
3 about the entire market or the entire product. It's
4 simply what would have happened, and I think by actually
5 using these terms and these concepts that really don't
6 have a good economic basis, it actually confuses things,
7 and that's one of the problems that we face when we're
8 in a real one of these cases.

9 MS. MICHEL: Bruce?

10 MR. BURTON: Well, I actually took my tent down
11 because you said at the end exactly what I was going to
12 try to summarize, what would have happened, and Aron did
13 a wonderful elaboration of all the challenges, but
14 essentially it boils down to, considering all these
15 factors, what would have happened? What sales would
16 they have made and at what price and to whom?

17 Those are the type of questions that you have to
18 answer, and that's part of the reason why you're seeing
19 reasonable royalty becoming more prominent than lost
20 profits. It's getting to be a real tough calculation.

21 MS. MICHEL: Paul?

22 PROFESSOR JANICKE: I agree completely with what
23 Greg said, and I think where that comes out in terms of
24 your question is the entire market value is really a
25 meaningless cliché that we should get rid of. It

1 doesn't do anything to help with any calculation on lost
2 profits.

3 MS. MICHEL: Jack?

4 MR. SKENYON: First of all, I know there's a lot
5 of interest in this entire market value analysis, but
6 quite frankly it doesn't occur in that many cases to
7 begin with, so I'm not sure how big a problem it is by
8 any stretch of the imagination, but in terms of the lost
9 profits analysis to begin with, I think in any of these
10 damages cases, we are running into more and more
11 problems because of the tendency to go further and
12 further into fantasy land as to what could have
13 happened, what might have happened, what should have
14 happened, and it's endless. It's an endless stream of
15 things.

16 I think it's better to look at the lost profits
17 cases from the point of view of the infringer sold some
18 products. Their customers bought the products. What
19 would those customers have bought instead, assuming the
20 infringing product is off the market?

21 And one of the strange things that I don't see
22 in too many patent cases is that the infringer is in a
23 unique position to respond to that. It's their
24 customers, but you rarely see situations where
25 they're introducing survey evidence of their customers

1 as to what they would have bought instead or anything or
2 any legitimate hard evidence along that line. In fact,
3 the only survey evidence that was ever attempted to be
4 introduced against me in a case, and it was very, very
5 powerful evidence was something that the other side
6 withheld and didn't get it in procedurally.

7 That at least is concrete. Where we're dealing
8 with the fantasy land issue about what could the
9 infringer have done instead, what could the other people
10 have done instead. I think that -- if you want
11 something that's going to be difficult for juries to
12 grasp or figure out or sort through, I think that's what
13 you're talking about.

14 MS. MICHEL: Tom?

15 PROFESSOR COTTER: Mostly I would just want to
16 echo what some of the other panelists have said, that I
17 think that patent damages insofar as lost profits are
18 concerned really ought to, as much as possible, try to
19 approximate the type of analysis that is done in
20 antitrust cases, and that some of these traditional
21 patent law doctrines, entire market value rule and
22 apportionment again as they apply to lost profits really
23 have no place I think in the way we can do things today.

24 That being said, all damages calculations I
25 think necessarily have an element of speculativeness,

1 and there's really no getting around that. We do the
2 best we can, but we're never going to know for certain
3 what the state of the world would have been but for the
4 infringement.

5 But one possible thing if you think about in
6 this context, and Mark Lemley has raised this in one of
7 his papers on damages, maybe there are some cases in
8 which courts are making it too difficult to prove lost
9 profits, cases in which the plaintiff and the defendant
10 are direct competitors, but for whatever reason, the
11 plaintiff cannot satisfy whichever of the remaining
12 *Panduit* factors might be at issue.

13 So we apply reasonable royalties in that context
14 where they don't really seem to fit very well. It's not
15 a case in which the plaintiff and the defendant would
16 have reached any agreement but for the infringement.
17 The plaintiff wanted to exclude the defendant. Maybe in
18 a case like that, we should bow to the reality that lost
19 profits will have some element of speculativeness, but
20 they're better than using reasonable royalties in that
21 context to perform a function that reasonable royalties
22 aren't really designed to perform.

23 MS. MICHEL: Greg, and to all panelists, any
24 comments on the point that Tom just made, that perhaps
25 courts are making it too difficult to award lost profits

1 and any other comment you were going to raise?

2 DR. LEONARD: I think on that, I would just use
3 the same standard that you use in an antitrust case.
4 Again, I'm not a lawyer but as I understand it, you are
5 allowed some amount of latitude because you wouldn't be
6 in that situation if the defendant hadn't done what they
7 had done, so it's sort of the same thing here I think.

8 I just wanted to go back just for a minute to
9 the entire market value rule because I think there are
10 two other additional points that are worth raising.

11 One is how it relates to so-called convoyed
12 sales and how that's changed over time. I think the
13 Court has made it hard to -- the CAFC has made it hard
14 to get lost profits on convoyed sales, even if that
15 convoyed product was sold directly because of the sales
16 of the product that for which you lost sales directly
17 due to the infringement, and I think that is sort of too
18 bad because that is an under-compensation.

19 Now, I agree, you have to show that there's a
20 causal link, that you would have made the convoyed sales
21 if you had made the other sales. There's no question
22 there's an element of proof you have to make there, but
23 if you can make it, it seems to me that that should be
24 allowed.

25 And then the second thing is just going back to

1 that idea of what a small component is, I think two
2 extreme examples help demonstrate this and again how if
3 you look at things from an economic point of view, you
4 don't have to worry about defining something as small or
5 not.

6 So if you have a product -- I had a case where
7 basically the product was a piece of material wrapped
8 around a metal cage, if you will. It was a stent graft,
9 and the basic idea was if -- the patent addressed the
10 combination of the two -- and so if you didn't have that,
11 the material outside, you really didn't have a product
12 that anyone was going to use.

13 Yet the other side was arguing, Well, there
14 shouldn't be any lost profits here or it should somehow
15 be apportioned because the metal part of it wasn't
16 really part of what was covered by the patent. Again
17 that's in a way just silly, because the point is if, in
18 the but-for world, you would have had no product, those
19 customers would have had to go somewhere else.

20 It doesn't matter that the material was only
21 half the product. The point remains that from the
22 supply side, those customers wouldn't have had any
23 product to buy, and so they would have had to switch to
24 something else.

25 So now there are other cases where maybe

1 removing the infringing feature would leave a saleable
2 product, and in that case, a lost profits analysis
3 should again just look at the customers who would have,
4 because of the inferior product, switched to something
5 else.

6 So the apportionment really works through
7 looking at what consumers would have done given the set
8 of available alternatives, and it really requires
9 looking at both the supply and the demand sides, and I
10 think that's another deficiency that comes up when
11 people do lost profits analysis.

12 MS. MICHEL: Aron?

13 MR. LEVKO: Yes, just to comment on some of the
14 other folks. Regarding the Court imposing restrictions
15 on lost profits, a lot of that can be gotten around if
16 you get into specific customer information, and Jack had
17 mentioned that he sees a lack of survey evidence. It
18 doesn't take a lot. You don't have to have a survey,
19 but if you talk do a couple, three main customers to
20 find out what they would have done, particularly in an
21 industrial sales setting or a distributor, and to see if
22 indeed they would have tried at least to get two
23 suppliers or would they have stuck to one supplier or
24 whether they've ever bought from this infringer before.

25 That often reveals some not broad landscape as

1 to what everybody would do, but certainly enough
2 persuasive measures, one way or the other, as to what
3 their alternatives would have been. Oftentimes you will
4 find that buyers, particularly if they're large
5 industrial buyers, don't want one supplier. They want
6 two suppliers, and so that makes it more difficult to
7 have a lost profits case.

8 On the other hand, if the infringer really had
9 not been in that distribution channel before or had not
10 had the relationship with the customers before, how can
11 they say that they would have made a sale with something
12 else because they haven't been successful?

13 So I think plowing the ground a little more
14 deeply, along the lines with what a number of people
15 have said, will get into the economic aspects of whether
16 lost profits indeed are relevant here.

17 When you're dealing with the entire market value
18 rule, as Greg points out, I've been involved in both
19 sides of that, both in terms of medical instruments,
20 which indeed where you put a notch here or a drug
21 coating there or a slight design change oftentimes gives
22 you a new product, and in fact the patent then really
23 more or less encompasses the entire product.

24 When you get into other industrial product uses,
25 telecommunication uses, oftentimes the patent itself may

1 be just a portion of the product. It may be a new
2 wiring harness or it may be some component or accessory
3 to an automotive vehicle. You have to take it case by
4 case.

5 So the entire market value rule, I mean we're
6 kind of downplaying it a little bit. There is a basis
7 for it, but it's based on really what does that patent
8 do in terms of transforming the product, and if it makes
9 a brand new product like maybe a fuel injection in an
10 engine, makes it a brand new model, well that's the
11 entire product. If it's a notch on a catheter or a drug
12 coating on the stent yes, that's a new product.

13 But if you're talking about an intermittent
14 windshield wiper or a new type of coating on a component
15 for less rusting, I don't know if that constitutes the
16 entire product contribution. That's a very tough thing,
17 and it may not be manufacturing costs. The
18 manufacturing costs may be fairly limited or even the
19 investment.

20 It's how if it really economically distinguishes
21 that product in the market to define the market. You're
22 back to that concept of defining the market.

23 MS. MICHEL: Related to this point of whether
24 courts are too hesitant to award lost profits, under
25 what circumstances should a patentee who makes the

1 patented product receive a reasonable royalty instead of
2 lost profits? Are there such circumstances? Any
3 thoughts? Jack?

4 MR. SKENYON: Well, the court actually I think
5 addressed that in the *Rite-Hite* case because that was a
6 case where the patentee made a patented -- used the
7 patent to make one of the dock levelers that it made. I
8 think it was -- I probably get them mixed up, but it had
9 an automatic one with a motor, and I think the patent --
10 that was the patented one that the patentee was selling,
11 and it made another one that was a manual one that was
12 not covered by the patent.

13 The infringer actually made only a leveler that
14 was manual that competed with the manual one of the
15 patentee, for which it got -- the patentee got some lost
16 profits damages. The rest becomes reasonable royalty.

17 So the net effect of that was that the patentee,
18 practicing its invention, because of the facts of the
19 case and how the market divided with the products, was
20 entitled to a reasonable royalty in the circumstances,
21 so I think that's a case, and there are others, that
22 fall in that category.

23 MS. MICHEL: When talking about reasonable
24 royalties, is the hypothetical negotiation the right
25 construct, the right approach? Is it just the best

1 thing we can come up with, even though it's not great?
2 Gail, we'll hear your thoughts.

3 MS. LEVINE: Well, I think the hypothetical
4 negotiation is a useful tool, but there may be better
5 tools out there. Professor Cotter highlighted one
6 earlier this morning where I think you called it the ex
7 post test, right? And as I understand it, the test, the
8 crux of that test, which makes a lot of economic sense, is
9 the test asks for the technological value of the patent,
10 what's the patent value over the next best alternative
11 that the infringer could have used? What's really
12 important if you're applying that test properly is the
13 timing.

14 After lock in, after switching -- after the
15 infringer has incurred a whole lot of switching costs,
16 if that's present in this case -- the
17 infringer may have a lot fewer substitutes to turn to in
18 an economic sensible way. So it's important to ask,
19 sometimes -- not at the date of infringement necessarily --
20 whether there were next best alternatives and look to
21 the delta between the next best alternative and the
22 infringing option then.

23 It's important instead to go back before the
24 switching costs were incurred and ask at the time -- it
25 may be, for example, at the time the product was

1 designed, then what next best alternatives were
2 available, what non-infringing substitutes were then
3 available.

4 It's like in the *N-Data* case that this Agency
5 brought and settled like a year ago in the aid to public
6 comment the agency said, that was
7 a case about a patent holder who sought from members of
8 an industry standard infringement damages for they're
9 infringing -- a standard that everyone had committed to in
10 advance. And the agency said there that by the time the
11 suit was brought, by the time the demand letters were
12 sent, it had become difficult, if not impossible, for
13 the defendants to switch away from the standard.

14 The switching costs had I gather run that high,
15 and it allowed the patent holder to demand value that was
16 due to the opportunistic nature of the demand and when
17 it was made rather than the intrinsic technological
18 value of the patent.

19 It's true in the standard setting. It's true in
20 non-standard-setting contexts too. If you look to the
21 wrong time frame, if you look after the time that
22 switching costs rose, you will allow -- you will not
23 have a reasonable royalty award that's tailored to the
24 technological advance represented by the patent, the
25 economic value of the patent.

1 MS. MICHEL: Focusing for a minute on the
2 concept of the hypothetical negotiation and what we
3 might call an alternative of the value of the
4 alternatives, do we need a new legal rule to talk about
5 the value of the alternatives, or as in *Grain*
6 *Processing*, is that just the maximum the infringer would
7 have paid in a hypothetical negotiation?

8 I'll throw that question out along with any
9 other comments you might have on the hypothetical
10 negotiation. Anne?

11 MS. LAYNE-FARRAR: Well, I think this follows up
12 on a point made just a minute ago about the value of the
13 patent having a great deal of difference depending on
14 who's using it, so you really can't say what is the
15 value, the economic value of a particular patented
16 technology.

17 That value depends a what use it's going to be
18 put to and some uses may be highly valuable and others
19 may be trivial, and those two parties shouldn't have to
20 pay the same in reasonable royalties. What's reasonable
21 for those two parties differs a great deal.

22 If I can just expand a little bit on what Gail
23 said, I agree that when you set these hypothetical
24 negotiations, you want to eliminate the ability of a
25 patent holder to act opportunistically and exploit the

1 switching costs, but you also want to think about why
2 the license didn't happen before.

3 And over time, I think this was also raised
4 earlier this morning -- over time, lots of kinds of
5 risks change. When a technology is brand new, you don't
6 know whether it's going to be commercially successful.
7 There's a lot of uncertainty around whether it can
8 actually be implemented as perceived, how it's going to
9 be accepted by consumers, whether it would really be the
10 big success everyone thinks it's going to be.

11 By waiting to take a license, then implementers
12 may actually get higher or lower royalties, depending on
13 how all that plays out, and so I would want to caution
14 that in setting these ex ante hypothetical negotiations,
15 we don't penalize patent holders whose products end up
16 being successful by enabling implementers who sat on
17 their heels to get the lower royalty that would have
18 happened earlier on when, in fact, there's now all sorts
19 of new uses or the product is a great success.

20 So I think there's another side to it. You
21 don't want the opportunistic pricing, but you also don't
22 want opportunism on the licensee side as well.

23 MS. MICHEL: All right. I will move around in
24 this direction. Bruce?

25 MR. BURTON: What I wanted to point out is that,

1 first of all, it's really exciting to hear new proposals
2 and different ways to go about calculating damages, but
3 one of the challenges that I see with most any of the
4 proposals that puts a single factor first or makes that
5 the primary one of which then you're going to do some
6 other kind of judgmental adjustment up or down is that
7 it doesn't really recognize the differences in
8 circumstances of the patent, of patent litigation.

9 I think everyone here has worked on hundreds if
10 not more, thousands of cases, and one thing that I'm
11 continually struck by is they're different, and it's
12 really important to be flexible in your analysis, hold
13 true to some principles but to have the full array of
14 tools available to you as an analysis in order to assess
15 the situation and assess the views of the plaintiff,
16 assess the views of the defendant, look at the
17 hypothetical negotiation, look at the information
18 available to them, the date of the hypothetical,
19 incorporate as appropriate the book of wisdom to
20 understand the information after the negotiations and
21 then consolidate all these myriad data points into sort
22 of a true, or as true as you can be, view of the economics
23 of the situation.

24 And really that to me seems to be consistent
25 with the notion of compensating -- of what the law would

1 say. If you're going to compensate for the damage,
2 well, essentially you're reconstructing a negotiation
3 with slightly different assumptions, valid, infringed,
4 enforceable. You're reconstructing that negotiation,
5 and then having factors played out to put the patent
6 owner in a situation very similar to what they would
7 have been in.

8 MS. MICHEL: Paul?

9 PROFESSOR JANICKE: I just want to clarify
10 because apparently I gave several speakers the
11 impression that my value added single factor proposal
12 lacked flexibility. I want to emphasize that I wasn't
13 implying that the number or percentage or whatever
14 should be the same for all defendants.

15 Of course it shouldn't. The value added for the
16 defendant in the particular case is what I meant to
17 indicate by value added, not to say that there was some
18 universal value number attached to a given patent.

19 Secondly, I get worried about integrating as
20 many factors as Bruce has just outlined, even though
21 they're logically sensible factors that should be
22 integrated, because we're asking 12 people off the
23 streets of Marshall, Texas, to do this. There's really
24 a limit to what juries can focus on in a case.

25 So that's another reason why I prefer my highly

1 flexible value added factor, single factor.

2 MS MICHEL: Greg?

3 DR. LEONARD: I would just like to briefly say
4 that ex ante versus ex post, ex ante has the virtue of
5 returning the parties to where they would have been if
6 they had agreed that the patent was valid and infringed,
7 and as a result of that, instead of having to proceed
8 forward with litigation, had decided to settle the
9 matter right then and there.

10 I think that has certain virtues because among
11 other things, it avoids a sort of ex post sample
12 selection problem, which is you would only get lawsuits
13 in cases where the patent -- the defendant turned out to
14 have a very successful product, which I think is not
15 necessarily a good thing.

16 So if there was a lot of uncertainty at the time
17 of the date of the hypothetical negotiation, then that
18 would have led to a much discounted royalty rate. I
19 think that's something to take into account to set up
20 the incentives properly for litigation and for
21 settlement.

22 MS. MICHEL: Aron?

23 MR. LEVKO: I guess going to the framework of
24 the hypothetical negotiation, I think it's appropriate
25 from the standpoint it sets up the right valuation

1 principles, and if indeed we're trying to tie this
2 exercise into some more rigorous framework and
3 potentially have it within policy of law, I think it
4 should be adhere more to valuation principles, which
5 means that you do need a date of which to agree upon.

6 Given that date, I agree with some of the
7 speakers that the ransom, or the fact that there's some
8 costs in there that should not be part of this because in a
9 real-life negotiation, it would have taken place
10 probably sometime before the infringement. For
11 calculation, probably at the infringement, but in terms
12 of the construct, probably before there was a lot of
13 sunk costs.

14 But at the same time, there are a number of risk
15 factors people have pointed out here and I had pointed
16 out before which need to be reflected as part of the
17 valuation. This is a valuation exercise. Damages is
18 valuation. Sometimes we get away from that, and when
19 you do a value exercise, I don't want to use the word
20 speculating, but you're certainly forecasting the future
21 to some extent.

22 Now, the difference in litigation, you have
23 hindsight. Rather than looking forward, you're looking
24 backward, so some of those risk factors are mitigated,
25 commercialization to some extent, and that is where the

1 big differences should lie between compensating a non
2 practicing entity and a practicing entity.

3 A non-practicing entity doesn't really bear a
4 lot of risk out there, other than having the bare patent
5 rights. When you enter into competition in a
6 negotiation, less has been made it seems in the
7 *Georgia-Pacific* factors, for instance, which one of the
8 assumptions are it's a willing buyer, willing seller,
9 and it kind of just blows right past that.

10 That's not true. That's a big, big factor in a
11 real-life negotiation, and I think it should be a big
12 factor in a reasonable royalty determination in a
13 litigation. If indeed you're dealing with a competitive
14 aspect at risk of losing sales, even though you can't
15 identify the lost profits, it should have a profound
16 impact in the damages part of the valuation calculation.

17 So going back, there should be a hypothetical
18 negotiation. It should be constructed along the
19 valuation principles. It should be prior to sunk costs
20 because the valuation principle wouldn't reflect that in
21 going forward, and if you're looking forward, you do
22 have some benefit because you're in a litigation sense
23 rather than a real-life negotiation, and that there is a
24 difference between a non-practicing and a practicing
25 entity because of the willingness to license and the

1 competitive factor.

2 MS. MICHEL: Ed?

3 MR. REINES: So as implemented in courtrooms
4 around the country, the hypothetical negotiation is
5 basically a free for all. It sounds like there's pretty
6 much a consensus that that's so, and I think part of the
7 cause of that is the entire market value rule being
8 applied in the reasonable royalty context, because it's
9 sort of displaced or atrophied Federal Circuit law
10 development in the area of: How do we put some
11 boundaries around the hypothetical negotiation? How do
12 we prioritize factors that matter? So there's sort of
13 an absence of law and guidance, and that's especially
14 true on what the base should be.

15 I mean, you can -- the numbers were 90 appeals a
16 year on patents. I don't think that there is very
17 little damages law for many other reasons other than the
18 fact that there's not a lot of legal boundaries that are
19 being placed on that. I realize that that opens a whole
20 other kettle of fish, so to speak, so I think right
21 now as implemented, the hypothetical negotiation is
22 deeply flawed because there's no real boundaries for how
23 it's been.

24 One of the things, the projects I've been
25 involved with, Chief Judge Michel put a group together

1 to put jury instructions together, and one of the steps
2 we've taken is to create a damages instruction that
3 attempts to modernize *Georgia-Pacific*. It's not a cure-
4 all for the weakness of that test, but it at least
5 attempts to try to bring it to the modern age in terms
6 of the obtuseness and the repetitiveness that can be
7 quite tedious when you're in a trial situation.

8 So that's one step that's been taken, but I
9 think there needs to be some real legal improvement for
10 how it's done.

11 MS. MICHEL: Tom?

12 PROFESSOR COTTER: Yeah. I agree with much of
13 what the preceding speakers have said, and I guess
14 here's how I would think of or frame the hypothetical
15 negotiations. What we want the hypothetical negotiation
16 framework to focus on, make it more rational and more
17 predictable, is to ask: What is the projected economic
18 value to the defendant of using this technology in
19 light of the other possible alternatives they could have
20 used before they incurred the switching costs?

21 I think that's really the question we ought to
22 be focusing on in trying to replicate the hypothetical
23 negotiations, and that raises two issues that I just
24 want to briefly point out.

25 One is: Should there be a discounting then for

1 the legal risk, as I think Aron and maybe Greg mention
2 indeed? I think that actually is not a good idea, and
3 here is one area where I think the existing case law is
4 actually - I won't say surprisingly rational, but I
5 think the existing case law actually gets it right.

6 The existing case law says in trying to
7 reconstruct the hypothetical negotiations, we will
8 assume that the parties were negotiating based on the
9 assumption that the patent was valid and infringed.

10 That actually makes sense, and this was actually
11 pointed out in a paper by Steven Callas and Jonathan
12 Putnam back in 1997, which I'm pretty sure is right, and
13 here their hypothetical goes like this. Suppose that ex
14 ante, the plaintiff and the defendant both believe the
15 defendant will derive a million dollars worth of benefit
16 from using the patented invention as opposed to the next
17 best alternative.

18 But let's suppose as well that both parties
19 agree there's an 80 percent likelihood of validity and a
20 70 percent likelihood of infringement, so there's a 56
21 percent likelihood that if the case went to trial, the
22 plaintiff would win.

23 Based on that, you discount for the legal risk,
24 the expected value to the defendant is one million
25 dollars discounted by 56 -- so it's \$565,000. That's

1 the amount we would expect the parties to divide up in
2 these hypothetical negotiations.

3 Now, if the defendant were to walk away and uses
4 the technology and plaintiff files suit, goes to trial,
5 the plaintiff in going to trial recognizes that there's
6 a 56 percent chance that they'll prevail at trial. So
7 if at trial the plaintiff prevails and we award
8 \$560,000, the plaintiff's expected earnings from going
9 to trial is only 56 percent of \$560,000. We're under-
10 compensating the plaintiff. We're discounting twice for
11 the legal risk.

12 So to prevent that, the law currently,
13 rationally says, When we do the hypothetical negotiation
14 calculation, we'll assume patent validity and
15 infringement. The legal risk is already taken into
16 account by the fact that the plaintiff had to go to
17 trial to vindicate its rights.

18 The other issue, the entire market value rule, I
19 agree that there's a sense in which it's just a complete
20 category mistake to apply that in the reasonable royalty
21 context. But I think it could potentially play a role in
22 the following sense. If we really are trying to
23 replicate what the parties would have done ex ante, one
24 methodology they might have applied ex ante is to agree
25 that the defendant will pay some kind of running royalty

1 based on actual sales of some final product.

2 So if that's the methodology that best
3 replicates how the parties themselves would have valued
4 a patent license, I don't think there's anything
5 particularly offensive about using the end value of the
6 product as the royalty base in this context.

7 The problem comes in the application where
8 courts and juries are not exercising much judgment in
9 determining what the royalty rate is. The royalty rate
10 based on the -- the royalty rate that you would be
11 multiplying by the end value of the product might be
12 very, very small, and that is something that I think we
13 need to provide some guidance on: What's the applicable
14 royalty rate, if we're going to use the entire value of
15 the product as the royalty base.

16 MR. REINES: Suzanne, I just want to say
17 something real quick on that. Just in the world that I
18 see and dwell in, there's a lot of products where the
19 revenue numbers can be so huge, \$50, \$60, \$70 billion, even
20 annually, and to expect someone to say if something is the
21 twig on the twig on the twig on the twig on the twig of
22 a multi-featured box, to expect a jury to sort of
23 embrace sort of a .00000001 rate and still make a
24 hundred million dollars or whatever it is is not - that
25 is not really the real world that I see.

1 You really have to control the base if you want
2 a rational outcome in those situations. Once \$80 billion
3 goes up -- and a lot of times the cards on which the
4 patent inventions are sold separately, so it's not
5 like you don't have an invoice price that you could
6 say is, which is a small fraction of it. So I really
7 think that exaggerated base can be a very big problem
8 for a rationale outcome for the reasons I just stated.

9 MS. MICHEL: How should we go about determining
10 what the base is then? Gail, and any other comment you
11 were planning to offer?

12 MS. LEVINE: It's a good question. I think the
13 more important question though should be what the base
14 times rate equals, right? If you start by looking at
15 that number, you're going to be I hope coming up with an
16 economically sensible result, so the question as we've
17 been talking about before is: What's the value added?
18 What's the economic value of the patent for this
19 defendant over against the next best alternative?

20 If this patented technology allows the defendant
21 to sell the product for a dollar more than he otherwise
22 would have, then it's a dollar per unit. The delta
23 would be a dollar per unit.

24 MS. MICHEL: The unit is the base.

25 MS. LEVINE: Right, unit is the base, but the

1 question to start with isn't what's the base. The
2 question to start with is: What is the economic value
3 of the patent? Once you've got your economic witnesses,
4 once you've got the jury all focused in that direction
5 instead, not on the question of what's the base, I think
6 you're going to come up with a lot more -- less
7 unpredictable, more economically rational jury verdicts.

8 MS. MICHEL: Ed, your thoughts on how this would
9 work in court?

10 MR. REINES: I mean, I just don't see the system
11 rejecting the whole concept of rate multiplied times
12 base, which is sort of -- in a sense you're proposing
13 everything will be lump sum, that there's an assigned
14 dollar value which keys off of a margin, which in your
15 case is a dollar in your hypothetical, and certainly one
16 side can argue that. The other side is not going to
17 argue that.

18 The plaintiff is always going to attempt to put
19 the huge revenue number up on the screen, and it really
20 is unringing the bell. There's just a lot of smart
21 people. If you get a number up on there that's \$60
22 billion and someone says, if you give them a hundred
23 million, you're giving them barely any of it. It
24 doesn't take into account the fact -- there's 50 cards
25 in the thing, then it's one circuit on one of the

1 hundred cards and that doesn't include the whole other,
2 that's just a card going into the big box, and
3 plaintiffs will routinely -- I've never seen a plaintiff
4 not claim entitlement to the overall box as the revenue
5 amount.

6 And you just can't un ring the bell, so the right
7 question is Suzanne's, which is, OK, how do you -- unless
8 we come up to a different -- where someone says, you're
9 absolutely prohibited from doing that, you just assign a
10 dollar value, which I don't think that's a world on the
11 horizon.

12 What's the base? How do you regulate that? I
13 think there's two flaws there. The first flaw, and I'm
14 glad to see there's been discussion on this in Congress
15 and elsewhere is having some sort of gatekeeping, some
16 meaningful gatekeeping so that people are looking at
17 these questions flexibly: Is this reasonable? Is
18 this within the range of reason pretrial? Because once
19 you get that situation, you will get the development of
20 law.

21 There's sort of an absence or there's a total
22 absence of law, and so one of the benefits that I see of
23 a gatekeeping, like a real procedural teeth in to say --
24 to have a judge make findings and conclusions just like
25 they would in other situations, not the conclusion but

1 is this reasonable? Does this get past the court to
2 go to trial? Then you generate law and get sort of in
3 this situation you can't do this, and in this situation
4 you can't do this and we start creating boundaries which
5 are much needed. There are also needs to be I think
6 substantive law change accompanying that because of the
7 absence of substantive law.

8 But in terms of base, it seems to me that there
9 needs to be some sense of the closest unit that's
10 priceable in the vicinity of the claimed invention. I
11 don't purport to have magic how that's doable. I think
12 what defendants aren't as effective at doing as they
13 should be is finding invoice prices for components.

14 So if the accused infringer is buying a sub-
15 component, there will be a price associated with it,
16 right, because the big problem is if you're just selling
17 a whole big box for one price, you start having an
18 absence of alternatives for base. There either is no
19 base or it's this big over-sized base. How do you deal
20 with that?

21 I think looking at the cost side more often,
22 just to give yourself a base, which is when they source
23 this or when they source that: What are the numbers? But
24 it's a challenge, and I think we need just more case-by-
25 case decision-making and substantive change to help fuel

1 this.

2 MS. MICHEL: We will come back to the
3 gatekeeping issue and explore that in-depth. It's a
4 critical one.

5 For this round of questions, I would like the
6 panelists' response to how to go about this reasonable
7 royalty calculation. What is the role of the entire
8 market value rule? How do we look at the base? How
9 should we get the royalty rate or do we do a lump sum?

10 MS. LEVINE: Just to be clear, I'm not saying
11 that all verdicts forevermore must always be lump sum.
12 The idea though was though that the base should depend
13 less on considerations, and I think Ed raises some very
14 practical considerations.

15 Just putting out
16 big numbers for the sake of big numbers isn't what we're
17 aiming for here.

18 The goal should be instead to look for a base
19 that makes economic sense. You can have fights between
20 experts as to what happens. It happens, as Greg
21 points out, in antitrust cases all the time. What the
22 relevant market definition is is a very similar question
23 here, and we can have debates about it, but at least
24 let's all work under the same economically sensible
25 rubric in trying to figure that question out.

1 MS. MICHEL: Anne?

2 MS. LAYNE-FARRAR: Yeah. I would like to start
3 with the discussion of the base and point out that I
4 think you need more than just the invoice price. You
5 need a price that's easily observable by the patentee
6 and that cannot be manipulated.

7 So, for example, if a potential infringer is
8 purchasing multiple components from the same source and
9 those prices can be shifted so that the overall package
10 is the same, they could make a deal, let's lower this
11 price on this component, and then I have less to pay in
12 royalties. So you need to think about how the firms are
13 going to respond to: If this price is used as the
14 base, what is their reaction going to be?

15 I think that's one of the things that drove the
16 use of let's just look at the whole box because that's
17 the price that's set by the market that the consumers
18 are willing to pay.

19 I recognize the problems of putting the big
20 number up. Certainly from an economic or a mathematical
21 standpoint, as long as that component is used in a fixed
22 proportion in the good, the base is irrelevant. You can
23 always adjust the royalty.

24 If from a practical standpoint juries don't like
25 to see those small numbers, maybe we need to work on

1 better instructions for them to understand that those
2 aren't under-compensating, those little tiny royalties,
3 because it is far easier, and certainly from an
4 enforcement standpoint this is a big issue, particularly
5 internationally where you have manufacturers say in Asia
6 who under report on a regular basis.

7 And it's easy to under report if the prices
8 aren't transparent, aren't posted in some public forum,
9 whereas end market prices are, and it's far harder to
10 get by that enforcement problem when you're using a
11 publicly posted price as long as the royalty is adjusted
12 to reflect the different base.

13 MS. MICHEL: Bruce?

14 MR. BURTON: Two quick observations. First on
15 the base, the way we often look at it is you first
16 follow the contribution of the technology. So what is it
17 that it does? What benefit does it impart the product
18 and at what level?

19 Then you look for the closest approximate level
20 to where the base is, but -- I'm sorry, to where the
21 benefit is, but obviously at a higher level of
22 accumulation than lower.

23 So you first understand how the contribution is
24 made. Then you mimic that and how the device is
25 constructed, and you pull out an intermediate point

1 that makes sense as a base issue. That's one way to
2 look at it.

3 Just a comment on sort of the best method of
4 determination. I perhaps am a traditionalist because I
5 see a lot of merit in a hypothetical negotiation,
6 *Georgia-Pacific* approach. I think the flexibility in
7 the gathering of data points is really central to doing
8 a thorough and complete job, and perhaps the focus is:
9 Why does that go astray? And there are some reasons it
10 seems historically that sort of jump up that says:
11 Here's some challenges you have to be alert to.

12 I'm not saying that these things are wrong. I
13 think there is a place in a reasonable royalty entire
14 market value. I think there are times when that is the
15 right base to use, and you'd be unwise to view that. But
16 there's also a lot of room for abuse in an entire market
17 value rule. There's a lot of room for abuse in
18 comparables.

19 A lot of comparables just plain aren't
20 comparable, but it's hard for a jury to really see that.
21 They don't work with technologies day in and day out,
22 and even judges often don't, and it's very challenging
23 to understand when someone puts forward something that's
24 a comparable, why it is and isn't, and that can be an
25 area of significant abuse, particularly if you haven't

1 matched your base, your royalty base, with your rates, so
2 you're seeing comparables at 5 percent when you should
3 be 1/10th of 1 percent on this particular base.

4 Rules of thumb, dangerous. It's only
5 happenstance and luck if a rule of thumb is right in a
6 particular circumstance, and yet people put rules of
7 thumb forward as if they're gospel. It can be very
8 misleading to rely on a rule of thumb that is not
9 particularly -- that rule of thumb, again just like the
10 entire market rule, could be right, but boy show us
11 right by connecting to the product and the economics of
12 that situation.

13 Then I would also posit that it's a challenge
14 when people don't consider all the factors, and I don't
15 mean factors in the sense of *Georgia-Pacific* factors,
16 but all the relevant economics, because people will hone
17 in on a particular aspect, totally ignoring the greater
18 environment, in which that data should be interpreted,
19 and by doing that you can get very misleading results
20 that can be hard to refute without a lot of work and a
21 lot of explanation.

22 So I'll just leave it with that, that it's not
23 so much in my mind the methodology as some of the ways
24 some of the tools within the methodology are applied.

25 MS. MICHEL: Paul?

1 PROFESSOR JANICKE: Yeah. I think the reason we
2 got into the whole issue of base is because we got into
3 the hypothetical negotiation, and at the time we first
4 got into that, most licenses were -- almost all I think
5 were negotiated based on a base and a rate.

6 Well, I am told by people who do a lot of
7 licensing that the modern trend is to have no base in
8 real licensing, but to license on the ground of so many
9 cents or so many dollars per unit. That's apparently
10 not the majority of licenses yet, but it's growing fast,
11 and big companies seem to like it better.

12 So I am optimistic that in a few years that is
13 the way real licenses will almost all go, and there
14 won't be any base for hypotheticals anymore, and we
15 wouldn't have to answer this question because the
16 hypothetical negotiators will not think and speak in
17 terms of rate and base, but just how many cents or how
18 many dollars per unit makes sense to them.

19 So if that will go away, then we don't have to
20 do any more work on it.

21 MS. MICHEL: So then the hypothetical
22 negotiations should mirror real life?

23 PROFESSOR JANICKE: Yeah.

24 MS. MICHEL: Or why else would people choose
25 that?

1 PROFESSOR JANICKE: It's supposed to, according
2 to case law anyway, and real life changes the style of
3 negotiations and what people would really do if they
4 were willing, then what we do in the courts should
5 change to match that.

6 MS. MICHEL: Why is the unit not the base if it
7 came within a few cents of a unit?

8 PROFESSOR JANICKE: Base only matters if you're
9 going to do a rate times base calculation. If you're
10 going to do it five cents a unit, there is no base.
11 There is no rate. They agreed on five cents a unit or
12 \$2 a unit, and base drops out of the calculation in the
13 real license negotiation.

14 I'm told various numbers, but some people say 40
15 percent of real licenses now are not based on rate.
16 They are fixed amount of money per unit. I don't know.
17 It is certainly growing rapidly though.

18 My second point on this was: Are you going to
19 ask today anything about the problem of royalty
20 stacking in the software industry? Because that is an
21 especially difficult problem for reasonable royalty
22 thinking. And by stacking, I mean the problem that if
23 you come out with a software product of any considerable
24 size, you are going to have to deal with 50 to 150
25 patents.

1 MS. MICHEL: Can the hypothetical negotiation
2 take that into account and should it?

3 PROFESSOR JANICKE: I'm at a loss as to how,
4 because in an actual case, frequently the defendant
5 doesn't know how many other hammers are out there about
6 to fall on him and so on, but experience of the software
7 companies seems to be uniform, that you come out with
8 anything, and you're besieged with -- I'm assuming
9 everyone is in good faith on both sides.

10 So they didn't know about these patents. They
11 didn't see how they would apply to their product, which
12 is what they say in court also, and the plaintiffs say,
13 we're not particularly arguing about willfulness, but
14 when we saw your product, we saw, Ah-ha, one of the
15 routines in your software is covered by my claim 7, so
16 nobody's trying to do anything underhanded at all.

17 It just turns out seemingly all the time that
18 there is a huge number of patents to cope with, and if
19 you start giving 1 percent to each one, the products
20 will lose profitability in no time, and yet you can't
21 account for all of the other ones in a given litigation.

22 I find it an exceedingly unsolvable problem.

23 MS. MICHEL: And defendants might not
24 necessarily want to argue: Yes, but I'm infringing a
25 hundred other patents too.

1 PROFESSOR JANICKE: That wouldn't sell too well,
2 and they wouldn't know about a lot of them, but from the
3 settlement, since 86 percent of the cases are going to
4 settle, they've got to be thinking, what else am I going
5 to have to deal with on this product, so that the
6 product can remain profitable?

7 And there is a large unknown that they have to
8 deal with, but frequently a company like Microsoft, by
9 the time they have to make this decision on whether to
10 settle the case, they're aware of maybe 25 other patents
11 that are a problem or that their owners of those patents
12 say are a problem and probably another 25 percent that
13 haven't surfaced yet, so what are they to do in a
14 reasonable hypothetical negotiation world?

15 I think that is the main reason that's driving
16 the Business Software Alliance to try to get probably an
17 overly-specific definition into the patent reform
18 statute. I don't think that's a particularly good
19 solution, but I confess, I don't have a good solution.

20 MS. MICHEL: Jack?

21 MR. SKENYON: A couple things on this issue.
22 First of all, the hypothetical negotiation scenario is,
23 first of all, not the only way that you can compute a
24 reasonable royalty damages. The Federal Circuit has
25 approved at least one other way that's entirely

1 different or almost entirely different, and what Tom had
2 proposed here, that could be asserted too, calculating
3 of damages that way.

4 The risk you would run would be that the Federal
5 Circuit has not approved that way of calculating
6 damages, so if you're faced with that at trial, and it
7 was \$10 million either way, you would probably go with
8 the *Georgia-Pacific* factor knowing that wouldn't be an
9 issue on appeal since the Federal Circuit's familiar
10 with that and has proved that.

11 That said, I think the hypothetical negotiation
12 scenario is looked at generally in the wrong way, and
13 the way it is is this: Is that the statute itself sets
14 the minimum value of damages as a reasonable royalty.
15 That's the only mention of reasonable royalty that there
16 is in the statute.

17 I think that legitimately is the royalty that
18 you would pay if you sat down with someone who wanted to
19 license your patent, there's no threat of litigation,
20 and just came to some agreement. I think that's the
21 minimum.

22 What I think that is is factor 15 of
23 *Georgia-Pacific*, and I think the other factors in
24 *Georgia-Pacific* can be used to drive up that rate, and I
25 think that's how you should look at it. Once you've

1 driven the rate up, you can use some of the other
2 factors to drive it down again.

3 Basically I don't think it's proper to look at
4 the hypothetical negotiation scenario from the view of:
5 Well, what could have happened, what should have
6 happened, what might have happened, what we could do. I
7 think that's where we run into some problems here, and
8 one of the problems I think that Ed pointed out, which
9 is a very important one, at least in some industries is
10 the base problem here on this, is that if you approach
11 it this way and you come up with a royalty number, the
12 question is, not the royalty number. The question is
13 the base it's applied for.

14 *Georgia-Pacific* is really setting the royalty
15 rate, not the base necessarily. The base, if you stop
16 and think about it, is supposed to be what the
17 infringing product is, and in Ed's scenario, which is a
18 fairly common one where the problem lies is, is that
19 suppose in one case the patent covers the little circuit
20 he mentioned, but suppose in another case they've gotten
21 a claim that deals with the whole system, of which that
22 patented circuit is part.

23 So now what's the base? If it's the infringing
24 product, we're talking about the whole system, even
25 though only a little part of it is really important in

1 terms of patentability, so I think my suggestion would
2 be here is that, first of all, keep in mind what the
3 hypothetical negotiation is really supposed to be about.
4 Don't put too much into it.

5 There are *Georgia-Pacific* factors, I do not know
6 what they mean. There are *Georgia-Pacific* factors that
7 I cannot find a case anywhere at any time that has
8 turned on that particular factor.

9 So all it is is just a general guideline, and
10 there are other ways to do this here, some have been
11 approved by the Federal Circuit, that might be more
12 appropriate in a particular case. And if you wanted to
13 approach this from that point of view here, that the
14 answer on this base question may be that you want to
15 install a rule, if you will, that maybe the
16 *Georgia-Pacific* application is not to be used in certain
17 cases, or to have the judge formulate which one is,
18 because otherwise I think the problem is absolutely
19 insoluble on this base issue, which is a critical issue
20 I think, as Ed pointed out in some industries.

21 It doesn't come up in other industries but it
22 does in the software and electronics field.

23 MS. MICHEL: It is interesting that you say
24 there are *Georgia-Pacific* factors for which -- you have
25 never seen come up. How common is it then to include in

1 the jury instructions just a list of all 15 factors, and
2 if we do that, do we risk not giving the jury good
3 guidance?

4 MR. SKENYON: : I think the reason the factors
5 are all listed is because there's a propensity for the
6 district courts to adopt form jury instructions, and
7 each form jury instruction on damages that I've seen
8 that deals with *Georgia-Pacific* will include all the
9 factors. Because potentially all the factors could be in
10 there -- very little interest in crossing out ones that
11 don't seem to apply when you get to that stage in the
12 litigation.

13 But I'm not sure that the jury actually makes
14 a decision on damages in any case by going through all
15 the *Georgia-Pacific* factors. I just don't believe it.
16 I think when the jury makes a decision on damages, it has
17 actually very little to do with the damages presentation
18 to begin with.

19 What I think happens is this: Is that you have
20 a verdict form that includes -- there's an infringement
21 question, and there's multiple claims usually that you
22 have to decide, and then there's probably maybe a
23 willfulness question. Maybe there's invalidity issues
24 on various things, and my belief is that as soon as the
25 jury starts deciding against the defendant in one, it's

1 easier for them to rule against them going down the
2 line.

3 So by the time you get to the damages question,
4 which is the last question, they're not rowing in the
5 defendant's boat any more. They are firmly in the
6 plaintiff's camp, and if the plaintiff put down a number
7 of \$15 million based on the moon being made of green
8 cheese, I think the verdict is going to be \$15 million.

9 In most cases, I think that's what happens is
10 they spend very little time, I'm being a little bit
11 flippant as to what the juries will do -- but I don't
12 think they spend very much time on the damages issue at
13 all. I don't think it's a question of guidance of the
14 jury.

15 I think it's a question of pre-loading with the
16 judge some limitations on the damages that can be
17 presented in a particular case, because I think once you
18 get to the jury, I think if they're going for the
19 patentee, it's hopeless, and in a lot of defendants'
20 cases, I don't even put on a defense on the numbers
21 simply because I think it's a waste of my time.

22 PROFESSOR JANICKE: *Georgia-Pacific* factor 16.

23 MR. SKENYON: Nothing I say is intended to amend
24 *Georgia-Pacific* and associate me with it.

25 MS. MICHEL: We have two very significant issues

1 on the table at this point. One is how to think about
2 the base. The other is how to deal with the
3 *Georgia-Pacific* factors, how to deal with juries and the
4 fact that perhaps the jury is not doing the complete
5 analysis there.

6 Greg, let's go to you.

7 DR. LEONARD: Just on the base, I think that in
8 a real world, the parties negotiate the terms of the
9 license, including how the royalty will be paid, so they
10 could decide to have a lump sum or a per unit or percent
11 times a base.

12 I think a good way to think about in one of our
13 hypothetical negotiations what the base should be is to
14 look at what parties have actually done in similar
15 situations in the real world if that exists. A lot of
16 times those bases that are chosen are going to be based
17 on the factors that Anne has already identified. You've
18 got to worry about whether there's manipulation possible
19 and that sort of thing.

20 Of course that then leads to possibly the
21 perception base that, gee, this base is huge and a
22 royalty rate of .000001 percent is just too unbelievably
23 small for a jury to award, so in that case I think what
24 happens, and maybe this is where we're headed, is I think
25 the jury can only get to a 1 percent number on that huge

1 base if the plaintiff's expert is allowed to get up and
2 say 1 percent.

3 So it seems to me that's where the judge has to
4 step in and not allow that kind of testimony, and at
5 that point the jury, unless they go off on their own,
6 which I guess they're allowed to do that, but if they
7 only hear two numbers that are very small, my guess is
8 they're going to choose on of those numbers or something
9 in between.

10 So I think in the end the base problem is going
11 to be solved by essentially constraining experts to
12 testify about things that actually make economic sense.
13 And if the jury doesn't hear outrageous numbers, then
14 they're not going to award an outrageous number.

15 MS. MICHEL: Aron?

16 MR. LEVKO: Since we've heard a lot about
17 economics, let me add in there auditability, and we've
18 kind of not touched on that point.

19 Regarding the base, if this is supposed to --
20 that is, litigation, the hypothetical negotiation is
21 supposed to simulate real life negotiations in a
22 license agreement, you've go to have that to be
23 auditable, and so on a basis of accounting. That's why
24 oftentimes it does go to a unit basis rather than a base
25 dollars which can be manipulated.

1 So in that regard, it does make a difference how
2 you call unit or dollars or time or whatever. Those are
3 all bases. The numerator, I guess the rate could be a
4 dollar per unit or certain a dollar per time or levels
5 to be reached upon which lump sums are provided. All
6 those things are auditable, so let me just clarify that.

7 If it's going to emulate and simulate a real-
8 life negotiation, that's how those contracts take
9 place. Now, also a lot of them take place, if you're
10 going to do a lump sum, you need to do discount rates if
11 you're going to do that. That hasn't even been
12 discussed.

13 Discount rates are going to have all sorts of
14 fanciful factors to be considered because take a look at
15 business commercial litigation, all the discount factor
16 gyrations that go in front of juries.

17 So we haven't even addressed that in lump sums.
18 I don't want to begin to do that, but that needs to be
19 reckoned as well if we're going to do a hypothetical
20 negotiation.

21 The issue of stacking is one part of what I call
22 the broader context of the dynamic marketplace; that is,
23 is it one patent out of 10 that really drives the
24 products? Then at what point do you lose any
25 profitability? That is part of the market definition

1 and part of what indeed is the incremental margin
2 approach towards a royalty calculation, be that on a
3 rate basis or a dollar or unit basis, so that fits in
4 nicely with what we've been talking about, but it's all
5 a component thereof.

6 Okay. Regarding the *Georgia-Pacific* factors,
7 let me clue you in. When I do -- and I have testified a
8 lot, I'm into the triple digits, *Georgia-Pacific* factors
9 are influencers on the rate. They don't have anything
10 to do with the base. And I don't do a calculation on
11 rate based on *Georgia-Pacific* factors.

12 I use basic valuation and economic principles
13 called market, income and cost and variations thereof to
14 determine a royalty or to determine a damages amount.
15 Now, where the *Georgia-Pacific* factors come into the
16 analysis is what are the various factors that either
17 drive up or down the rate? And they can go either way.
18 Those factors can go either way, and there are a number
19 of factors that are not included in the *Georgia-Pacific*
20 factor analysis that should be included.

21 We've already touched on a few of them today,
22 one being the financial positions of the parties,
23 whether they're practicing, non practicing entity,
24 competitor, non competitor. Even though there's a
25 discussion somewhat in *Georgia-Pacific* factor analysis,

1 it's not the bargaining positions that are truly
2 addressed, although that has a profound influence both
3 on real-life negotiations and should be in the
4 litigation.

5 The business plans, that is, most businesses
6 look at a patent or a product or a development as a
7 ticket to the next stage of development in their
8 business, and so what are those business plans? How are
9 they accounted for in terms of doing a royalty
10 negotiation? Is it a potential option for them to get
11 to the next stage in development?

12 That's not reflected in the *Georgia-Pacific*
13 factor analysis, and then we've talked about already the
14 fact that just because you get into a royalty situation
15 doesn't mean there isn't any lost profits. You just
16 can't prove it conclusively.

17 So if you do get involved into a negotiation,
18 there could be a risk of losing sales by licensing
19 someone, and that's not reflected really in the
20 *Georgia-Pacific* analysis.

21 So what I'm going to say is you need to have, in
22 terms of determining a royalty -- whether you split it
23 by rate and base or whatever mechanism, those damages
24 should be on the constructs of a valuation principle, an
25 auditability principle, and the idea is to illuminate and

1 simulate negotiations taking into account the legal risk
2 factors or the lack thereof.

3 When you do *Georgia-Pacific*, those are
4 guidelines, and there's many other factors to consider.

5 MS. MICHEL: Ed?

6 MR. REINES: We've heard a richly diverse array
7 of tools and techniques and methodologies for reasonable
8 royalty analysis from the creative group we have here,
9 and I think that presents the problem, not the solution.

10 All of that is probably viable in courtrooms
11 that we have. I mean, I don't think anyone said
12 anything that a judge would necessarily preclude from
13 going in front of the jury.

14 I think the problem that I've seen in at least
15 my personal experience is when you bring in limine motions
16 against damages experts on theories, maybe some of the
17 theories we're hearing here, on the grounds that that is
18 inconsistent with common sense or the legal standard,
19 the normal reaction that you get is -- the stronger your
20 motion, the more the judge looks at you and say: Well,
21 great, you'll have a great cross examination, that
22 should be a lot of fun for you.

23 And if there's a problem at the back end, I have
24 all the tools of a post-trial resolution to clean things
25 up then. And on a rare occasion when you get to that

1 circumstance, hopefully you avoid that the vast majority
2 of the time.

3 Then it's sort of, Well, the standard is whether
4 the jury had any basis for doing this, and I might as
5 well just let it go up to the Federal Circuit and they
6 can determine it. And that's not always true. There's a
7 lot of district judges that are earnest in what they do,
8 but the problem is that there's not a set of rules that
9 empower them to make the kind of line drawing that I
10 think everyone senses needs to be made. Because there's
11 products to be sure where the patent is the whole
12 product, and the royalty should be huge.

13 There's no question about it. You haven't been
14 litigating cases if you don't see that, so it needs to
15 accommodate that. At the same time, it needs to
16 accommodate the stacking situation that comes up in a
17 variety of fields, largely in the high tech field.

18 An example I want to give in that -- the
19 type of practical problem -- is if you want to show how
20 many patents cover the product to demonstrate the
21 stacking product, you would have to go through all of
22 your cross-licenses, so if Microsoft cross-licenses
23 Apple or whatever it is, that's how many patents that
24 can arguably be asserted one to the other.

25 No judge is going to let you -- sometimes you're

1 allowed to touch the concept that there's a lot of
2 patents in the general field. But no judge is going to
3 let you get into the fact of -- here's other patents that
4 actually cover this -- because of the sense that that's
5 satellite litigation. What do you do, *Markman*
6 hearings on 15 other patents?

7 So you can't really ever demonstrate that, and
8 then of course I think maybe the central problem in
9 distorting the situation, not in every product in every
10 field, but in the problem area, is you spend two weeks
11 of these jurors' time pulling them out of their
12 day-to-day life and you focus them only on this one
13 feature, and everyone is talking about the prior art to
14 this feature and all the attempts at solving the
15 feature.

16 And even though the alleged infringer's counsel
17 will have a full opportunity to say, but it's marginal,
18 but it's minor, you spend two weeks talking about
19 something, and there's just no way to undue the fact
20 that it's going to have an exaggerated impact on people.

21 So I think you need to have a flexibility such
22 that it's not one size fits all, but you need to have
23 real rules so that it's not whatever some of these great
24 expert witnesses that are up here say: You know, the way
25 I look at it, it's like antitrust. There needs to be

1 some filtering of that.

2 Right now I just don't think we're in a position
3 where we're getting that.

4 MS. MICHEL: Thank you. Go ahead.

5 MR. ADKINSON: There was some discussion earlier
6 about industry average licenses and comparable licenses
7 indicating that they weren't perhaps the best. I
8 wondered if the panelists could just give us a quick
9 general idea of how often that evidence is coming in in
10 their experience and whether it can be effectively
11 limited through *Daubert* motions.

12 MR. LEVKO: Well, first of all, if you use an
13 industry average, that's very, very broad. You need to
14 be much more specific in litigation. You need to have
15 publicly disclosed information. I've had -- I faced
16 these surveys where they say industry averages or
17 broadly a survey, who responded to this survey, and what
18 were the conditions?

19 Are they exclusive or nonexclusive? Are there a
20 field of use restriction? None of that is in these
21 industry averages. You need to go to real-life license
22 agreements. Then you need to pick them apart for the
23 terms. You need to pick them apart for the industry.
24 You need to pick them apart for the stage of development
25 of the technology, take into account the stacking.

1 It is not that simple. That is why when you're
2 trying to legislate something, you're getting into some
3 very dangerous grounds. That's why I get employed on
4 these things.

5 MR. ADKINSON: John. Or Jack. I'm sorry?

6 MR. SKENYON: Me? When someone calls me John,
7 it's usually my wife, and it usually means that I'm in
8 trouble. The first line to me once was: John, did you
9 feed the baby pizza? No.

10 This is one area where the Federal Circuit has
11 had some very clear guidance on this, and basically they
12 are not very fond of industry averages or licenses that
13 are in the industry for several reasons, and one
14 primarily is you're not dealing with the exact invention
15 that you're talking about here.

16 The other reason is a practical evidentiary one
17 in that Rule 408 will preclude the use of these things
18 because you're trying to use them to set value, and Rule
19 408 of the Federal Rules of Evidence says that you can't
20 do that if it's in the settlement of litigation or
21 threatened litigation, so any license agreement that was
22 entered into because of litigation or the settlement of
23 litigation or threatened litigation should be out under
24 Rule 408 anyway.

25 That leaves you usually with a very, very small

1 number of licenses if you can get them, that you could
2 possibly rely on, so I don't think that usually is an
3 effective factor at all, and generally speaking, I don't
4 see it too much in too many cases.

5 MR. ADKINSON: Paul?

6 PROFESSOR JANICKE: Jack just said if you can
7 get them, and in my other life as a litigating patent
8 lawyer -- this is old-time stuff because I've been on
9 the law faculty 16 years now, but in my other life,
10 perhaps due to a lack of talent or imagination, I could
11 never get the licenses that I wanted to collect.
12 Everybody brought all kinds of protective orders and
13 motions to quash the subpoenas, and it became a battle
14 unto itself.

15 So getting that kind of -- I agree it would be
16 great, but getting hold of it for me at least was a very
17 difficult chore, and I was very unsuccessful at it.

18 MR. ADKINSON: Anne?

19 MS. MICHEL: Anne?

20 MS. LAYNE-FARRAR: I was actually going to talk
21 about some other things.

22 DR. LEONARD: I was just going to say I actually
23 do see it maybe more than you might, either the
24 comparable license -- I mean, I was just involved in a
25 case a couple months ago where the other side's expert

1 had a list of supposedly comparable licenses from a four
2 digit SIC code or something and then took the average
3 and said: Well, this is the right number.

4 My analogy for that is nine and a half is the
5 average men's shoe size, so I think what I'll do is I'll
6 open up a store, and I'm only going to sell size 9 and a
7 half shoes, let's see how well I do. It's totally
8 ludicrous.

9 I think actually all the damages experts sitting
10 up here agree with that, but I think even more dangerous
11 though are the rules of thumb because there you have
12 this claim that that's what people actually do, which I
13 actually think is not true, and there's this unfortunate
14 published paper that maybe soon I will be addressing,
15 but that the claims that, oh, this really looks well and
16 that sort of thing.

17 So I think it is very dangerous, and I think
18 *Daubert* should be used to get rid of it, and I think
19 there's a saying which I think is actually true, which
20 is that it's never actually done. I guess I would put a
21 question out to the lawyers: Why isn't *Daubert* used
22 more in IP cases?

23 It's used almost as a matter of course in
24 antitrust cases.

25 MR. REINES: I think the motions are

1 brought. I think the judges and just trial management --
2 this is just my anecdotal, this isn't like the good
3 professor, a systematic empirical analysis -- but is that
4 the judge's feel they'll let it go, they'll see what
5 happens at trial.

6 So the first thing is, okay, I don't really have
7 to make this decision now, let's see if it all turns out
8 as bad at trial. An then you're at trial, it's reined
9 in in it's worse excesses, but still flows in, and
10 getting something out like industry averages is
11 basically -- I mean, that's so far from anything you
12 would be ever able to get out of -- you would be able to
13 strike.

14 And then it's sort of, well, we'll see what the
15 jury does, and if the jury is a runaway, then I have my
16 ability for remittitur and all, kinds of post-trial
17 tools and it's just this creep that happens.

18 Then you have the creep phenomenon, which is:
19 Okay, the jury just spent two weeks of their lives
20 working on this, who am I really to second guess what
21 the value is? There was sort of a lot of information
22 thrown up there, and the Federal Circuit can fix it if
23 it's really abusive.

24 And you just get that sort of a creep. That's,
25 A, and then B, you have a lot of justifiably nervous,

1 one might say paranoid, in-house counsel who don't want
2 to have to live through the jury seeing \$60 billion up on
3 the screen for one millisecond because of their
4 reporting requirements and everything else, and they
5 don't want to have to worry about a post-trial motion -
6 no really don't settle it now because the judge is going
7 to fix it all.

8 I mean, it's just -- that's not real, that's not
9 real, so that doesn't -- that's the structural -- to
10 answer, that's the structural things that I see. I
11 don't know if Jack may have similar or different
12 experience.

13 MR. SKENYON: Pretty much the same I think with
14 that.

15 MR. LEVKO: We've done an empirical study on
16 *Daubert* motions. We don't have it specifically for an
17 IP cases, but we have it for financial experts, and we
18 do this every year. We also have another report that we
19 released on that, and it seems -- I'm trying to recall
20 the numbers, but something less than 50 percent of these
21 cases have *Daubert* motions.

22 I think it's something like the high 30s or 40
23 percent or something like that, and then we have
24 eliminations that are around one-third, 30 percent or 33
25 percent. It's below 30 percent. The plaintiffs are

1 limited more often than defendants. They're up I think
2 probably closer to 40 percent, and the reasons
3 primarily -- there's three basic screens, one being the
4 qualifications of the experts, the second being the
5 reliability of information, the third being the
6 relevance of the information.

7 And it's the reliability of the information that
8 seems to be the one that trips up the most, reliability
9 in terms of accepted practices, in terms of the
10 analysis. The relevance of the information sometimes is
11 also a factor, but when attorneys screen experts,
12 they're focused on the qualifications, and that for some
13 reason is, of the three, the lowest that trips up or
14 screens out experts.

15 And this is broad for all financial experts,
16 gets into all sorts of business commercial litigation,
17 so I don't know the specific number for IP.

18 DR. LEONARD: I bet if you looked for IP, you
19 would find it was much less than 30 percent. I don't
20 think I've ever seen it in all the cases I've ever
21 worked on. And I think the reason is because there isn't
22 a framework that you're supposed to use that then you
23 can compare what somebody has actually done against that.
24 Whereas in other financial cases, I think there is much
25 more of a generally accepted framework.

1 MR. ADKINSON: Anne, you have been waiting
2 patiently?

3 MS. LAYNE-FARRAR: I just wanted -- there were
4 so many interesting comments around the panel, and there
5 were a couple I wanted to follow-up on, and I'll be as
6 brief as possible.

7 One is the idea of that more and more licenses
8 are moving to this dollars or cents per unit. That
9 works in a pretty static market when you don't have
10 prices going down or going up, but for example, in
11 electronics products where prices fall and tend to fall
12 pretty predictably and can fall dramatically when you
13 have a fixed amount per unit, then on a percentage basis
14 you're paying more and more and more for the IP as the
15 product becomes less and less relevant and maybe gets
16 obsolete and is replaced by the next greatest thing.

17 So I've actually seen some problems with that
18 kind of licensing in that kind of market because of
19 course the party who wants to renegotiate is the one
20 who's manufacturing, and the party who doesn't want to
21 renegotiate is the patent holder.

22 If we use this contributed-value approach that a
23 lot of people round the panel seem to buy into, then
24 that solves some of the problems that we've also talked
25 about, for instance, royalty stacking. If you're

1 talking about compensating a patent holder for the
2 contributed value, then you don't have to worry about
3 all the other components because you're just getting the
4 value of that one component that's being contributed.

5 Yes, it can be difficult to get to that
6 contributed value, but that gives you more impetus then
7 to strive for that kind of framework. And also we should
8 recognize that within an industry where you have
9 patent holders, who are long-term market players that are
10 in this industry, they have every bit as much interest
11 in solving the royalty stacking problem as do the
12 manufacturers. If the market collapses because of a
13 stacking problem, those patent holders aren't getting
14 paid anything.

15 So it's very much in their interest as well.
16 It's only these sort of short-termers, maybe people
17 leaving the market, the bad actors, if you will, who
18 have more of a short run view that that becomes more of
19 an issue.

20 The long term industry players, even if they're
21 non-practicing entities and only have upstream R&D very
22 much care about solving the royalty stacking problem.

23 Which brings me to the final point I would like
24 to make, and that's on the non-practicing entity. I
25 think it's dangerous to say all these are willing

1 licensees. We should only give them reasonable royalty.
2 They don't face any risk. I think if you're talking
3 about an R&D firm who's chosen to specialize upstream,
4 they very much face risk.

5 They're putting a lot of dollars on the line in
6 their R&D, and if they don't get compensated for it,
7 that could remove a valuable player from a market who
8 maybe has a comparative advantage in doing the R&D and
9 the upstream stuff as opposed to implementing it
10 downstream.

11 So I think it's dangerous to view them too
12 dismissively. And also in the context of a dynamic
13 market, if you restrict them entirely say with a
14 category rule, no injunctions, they only get reasonable
15 royalties, no damages, that kind of thing, you can
16 hinder that player's ability to negotiate reasonable
17 royalties in the future with other parties because they
18 say: Aw, you're a non-practicing entity, I know that if
19 I bring you to trial, you'll be treated differently and
20 I'm going to be okay.

21 So I just wanted to follow up on those few
22 points.

23 MR. ADKINSON: Thank you. I want to pick up I
24 think on your second point a bit and hope that that
25 works with what Tom may have been thinking about, which

1 is another area in what is demonstrated in court is if
2 you're not using the licenses and you need more of the
3 analytic approach, we could go to considering the value
4 of the component or the value of the patented item.

5 What I want to ask first is how the panel --
6 what the panelists can say about how difficult it is to
7 present in court the sorts of evidence that will enable
8 a jury to get a handle on what is itself another
9 difficult question, trying to understand perhaps an
10 unusual technology, advanced technology, and how perhaps a
11 component of that technology contributes.

12 So from your experience, how do you go about
13 trying to present to a jury how -- what the value of the
14 particular technology is, and is there a mechanism you
15 think is especially useful?

16 MS. LAYNE-FARRAR: I would say -- briefly, I'm
17 sorry. I would say yes, it is a useful mechanism in
18 that one of the things you can do is try and put things
19 in context. You don't want to go down the 150 patents
20 that are in all the cards in the box. That's
21 overwhelming and mind numbing and too difficult for
22 anyone to comprehend, but you can talk about basic
23 components: This product is divided into three areas,
24 and the patent reads on area one, and if we focus on
25 area one, it's a big or a little piece of that, so in a

1 broad framework I think you can do that.

2 MS. MICHEL: Related to that, if anyone has a
3 comment and plus whatever else you were going to say,
4 please, you talked about the product, the patent reading
5 on one component of the three components.

6 It's very possible to have the inventive feature
7 is the circuit. The circuit is incorporated into the
8 chip, but I've written my claim to be a computer
9 incorporating a chip having the circuit, and so the
10 claim rates on the whole computer, but the inventive
11 feature is the circuit.

12 This raises some particular problems in terms of
13 how are you going to set the base, how are you going to
14 set the royalty, and establishing what the added value
15 of the invention was, and if anyone has thoughts on how
16 to go about that along with your other comments. Aron?

17 MR. LEVKO: A couple things Anne brought up.
18 First of all, I guess in regards to looking at a non-
19 practicing entity and the danger of dismissing their
20 risk, part of -- I should have included and I thought I
21 talked about it in my presentation, how we define non-
22 practicing entities.

23 We put Universities, for instance, in the
24 practicing entity aspect. If you have a licensing
25 program and a track record for licensing, which by the

1 way is another factor that's not reflected in the
2 *Georgia-Pacific* factors, that goes towards I would think
3 strengthening, the arguments, if not the economic
4 analysis and valuation, for patents because that shows a
5 track record of success and from a valuation standpoint,
6 reduces some of the risk factors that I've previously
7 discussed.

8 The second thing is in regards to how to
9 allocate on the base or the value, the royalty on a
10 particular feature or patent within a total product. I
11 think we've been dwelling a lot -- and I'm going to take
12 it from real-life experience -- on functionality, that
13 is, what does this patent do, how does it improve over
14 the prior art, how may it be used by the user and so
15 forth?

16 I think what I have found useful, besides the
17 functionality, is looking at the sales history of
18 products before and after the patent's introduced,
19 taking into account the potential degradation of sales
20 without the innovation. Levels of investment, to what
21 extent any rational business would want to invest in
22 these additional features and wanting to have a certain,
23 at least minimum, return on investment.

24 Oftentimes that additional investment on this
25 feature on that patent or that whole functionality is a

1 way of looking at the incremental benefit to be derived
2 because that's rationally how capital expenditures get
3 approved. I was a controller in a business, and that's
4 how we do things.

5 You look at profitability; that is, how does
6 that change the profitability or contribute to
7 profitability overall by adding this feature of this
8 patent and so forth? How is it sold? How is it
9 advertised? How is it promoted? Is it a feature among
10 several features? And we can take a look at the
11 materials and so forth and see if it's even mentioned.

12 Then finally, is it a platform for business
13 growth? This is the option concept. Does it get you
14 into a ticket to the next generation? And oftentimes a
15 value has to be something more than simply a
16 straightforward valuation but needs to take into account
17 some option of use as that. So those are some other
18 thoughts regarding how to develop a component.

19 MS. MICHEL: Greg?

20 DR. LEONARD: I was going to add to that. That
21 was a great list of ways to go about doing it. Another
22 way from an economist's point of view, we're pretty good
23 at relating consumer demand for product to the
24 particular attributes that the product has.

25 So what you can do, for instance, is say well,

1 if the infringer had to change the attributes of its
2 products in order not to infringe, we can use one of
3 these models of consumer demand to estimate what the
4 demand would have been in the but-for world, but again
5 if you have to offer an inferior product, your demand
6 for the product will fall, you would sell less, and that
7 will be part of the incremental value that the patented
8 technology gives you as the infringer.

9 I also want to mention this briefly, but there
10 also could be a price effect too, so if you're offering
11 an inferior product, you might not only sell less but
12 you might also have to lower your price, but these are
13 the kinds of things again that economists are really
14 good at doing. And there are other ways, in addition to
15 the ones that Aron mentioned, of looking at and trying
16 to place a value on the actual incremental effects on
17 the infringer of having access to the patented
18 technology.

19 MS. MICHEL: Paul?

20 PROFESSOR JANICKE: Suzanne, your question was
21 very perceptive about claims and how in patent law terms
22 almost all claims realistically are comprising-type
23 claims. And if we proceeded in the way as you suggest,
24 where the real thing devised, let's call it, is the
25 circuit and that's claimed in claim one, and then claim

1 19 has the circuit connected to the module, connected to
2 the computer, connected to a network, connected to the
3 Internet, connected to the universe and so on, the claim
4 really can't be the base.

5 I know the courts have not seen it, but your
6 question has seen it, and lot of lawyers have thought
7 about it. I don't know what should be the substitute.
8 Maybe the old-fashioned idea of the gist of the
9 invention or the focus of the claim or something saying
10 that the claim is really addressed to -- but talking
11 about the claim covering for the reason you suggest is
12 not take good way to do it.

13 MS. MICHEL: How about the specific contribution
14 over the prior art? No reactions? Is that what that
15 language in the statute was trying to capture? Do you
16 have a thought on that?

17 MR. REINES: Yeah. I think both of your
18 questions really frame things very nicely, so on this
19 point, and Paul's, so I'm facing right now a patent
20 that's on a local area network, so it's concrete. It's
21 a local area network, and it's about minor functionality
22 in one node, so it's one node. It's a local area
23 network with one node that has this one feature in a
24 1,000, 3,000, 10,000 feature device. That's the reality
25 of the situation.

1 So the question is how to solve that, right,
2 given the time of day we need to do that and especially
3 with your question? I think it's a really twin
4 approach. So there needs to be a substantive rule, and I
5 think value over the prior art or value over the
6 alternatives -- seems to be some coalescence around some
7 form of that and there's fine tuning and flexibility
8 necessary in that, but something along those lines -
9 coupled with some procedural reform.

10 I think you need both, so that you actually get
11 the decision. You force decision points which forces
12 the development of a body of law that can say when
13 you're in a pharmaceutical situation, you don't apply --
14 it's okay to do it this way.

15 When you're in this software circumstance -- and
16 obviously you don't do it necessarily by technology per
17 se, but just normal case law development, in this
18 situation you would never be permitted to do that. And
19 so I think we've talked a little bit about gatekeeper,
20 but something where you force district judges pretrial
21 to issue a written thing that creates boundaries on
22 what's going to be acceptable to the judge, coupled with
23 something that ensures that the focus is on value add as
24 compared to 15 factors in an archaic test.

25 One thing, it may be in the shameless plug

1 category, but Chief Judge Michel put together this
2 committee with Judge Ward from Texas and Judge White
3 from the Northern District of California, Judge Saris
4 from Boston and Judge McKelvey from Delaware, and we've
5 put together these modern rules, and they're not a cure-
6 all for anything, but there are improvements attempted,
7 especially in the royalty factors and other areas.

8 And those are available in the Federal Circuit
9 bar association web site, and they're in the comment
10 period right now. The comment period closes on February
11 20. With such a great audience that we have here, I use
12 this to solicit further input into that as an attempt to
13 modernize the damages analysis.

14 MS. MICHEL: Thank you. Tom?

15 PROFESSOR COTTER: Yeah. Just to echo I think
16 what Aron and Greg were saying, I think the real focus
17 ought to be on the economic realities and not the
18 vagaries of claim drafting.

19 So if we're trying to either estimate lost
20 profits or to reconstruct this hypothetical bargain
21 relating to the reasonable royalty, we ought to be
22 focusing on what would have motivated people in the real
23 world to reach a certain figure or what the actual
24 consumer demand for the product with and without the
25 patented feature might have been. None of this really

1 hinges or bears any necessary correlation to the way the
2 claims are drafted because that's so manipulable -- how
3 narrowly or broadly the claims are drafted.

4 I do think, however, the Patent Reform Act that
5 didn't get through, but that portion of it that focused
6 on comparing the patented -- the contribution over the
7 prior art and estimating royalties based on that, I'm
8 not sure that's really the way to go.

9 I think it's Schlicher again I think that made
10 the point -- maybe it's really a timing issue here
11 because that really focuses on what the potential value
12 of the invention was at the time the application was
13 filed, and I think really the timing issue we've mostly
14 focused on today is what is the economic value of the
15 invention at the time the defendant choose to go down a
16 particular technological path.

17 That could be fairly wide gap, so I'm not sure
18 that we ought to be focusing on the contribution over
19 the prior art in estimating damages or royalties. I
20 just don't think that's the right fit.

21 MS. MICHEL: Gail?

22 MS. LEVINE: I agree with a lot of that, and in
23 fact I will never again speak after Professor Cotter
24 because he always says everything I'm thinking. Maybe
25 if I can amplify one or two points.

1 The economic test, the test about the
2 technological value, it's value over alternatives, takes
3 a lot of pressure off the claim game, right. It doesn't
4 reward clever claiming as much as perhaps other tests
5 would, and that's an attractive feature of it because
6 it returns us to the economics, what a business person
7 actually thinks and does.

8 Bill, you asked earlier: How can a test like
9 the economic test, the technological value of the patent
10 test, the value over alternatives test can be actually
11 implemented in the courtroom? And I think that's a very
12 good question. All of these things are in varying
13 degrees difficult to prove, but what's the alternative?

14 The alternative is this grab bag of factors,
15 this very unfocused determination. That's untenable,
16 and we don't have to wait for a test that can be
17 executed with mathematical precision, right, just
18 something that returns courts -- and returns parties to
19 a test that is more economically sensible is what we're
20 aiming for.

21 And frankly the test for looking for the next
22 best alternative, figuring out the difference between
23 the non-infringing substitute and the patented
24 technology isn't so dissimilar to what courts already do
25 in the lost profits.

1 MR. ADKINSON: I want to make sure we're leaving
2 Bruce with something that he thinks is reasonably
3 manageable.

4 MR. BURTON: Well, it's an interesting situation
5 because it is very similar to work that's already done,
6 and in my mind, it's an important approach and whether
7 you view it as the next best alternative or some
8 variation of improvements over prior art, those are
9 relevant things to consider, and I don't have a problem
10 with considering those things as relevant.

11 I get a little concerned when, if we're talking
12 about, for instance, starting there and then making --
13 that sort of sets our range, and then we have to work
14 within that range, and it may work often. It may not
15 always work very well.

16 So I guess I'm an advocate for flexibility. I'm
17 an advocate for being able to bring the right tools.
18 For instance, you might look at something that is
19 contribution and it was used by the infringer, and the
20 infringer made a million dollars. Well, that's great,
21 and then you're going to use other factors and decide
22 how much of that -- what portion of that you're going to
23 allocate to the infringer gets to keep and what the
24 patent owner gets to get.

25 Well, maybe that patent owner had other

1 alternatives that were very significant. Maybe they
2 were on the verge -- this is just made up of course, but
3 on the verge of an alternative license that got
4 precluded because of that. They lost tens of millions,
5 okay.

6 If you have a perspective that restricts
7 your ability to broadly look at the circumstance, that's
8 my only concern is I don't want us to lose this ability
9 to be flexible, to look at multiple points and make
10 judgments.

11 MR. ADKINSON: Thanks. Greg?

12 DR. LEONARD: Yeah, I was going to raise
13 something similar because there can be, in a situation
14 where the patentee has not, for whatever reason, made a
15 lost profits award but is concerned at the time of the
16 hypothetical negotiation about competition from the
17 infringer. It can very well be the case that sort of
18 minimum royalty that a patentee would have been willing
19 to accept exceeds the maximum royalty that the infringer
20 would have been willing to pay. That does come up
21 occasionally in cases, and it is a bit vexing to try to
22 decide what to do.

23 Although my own personal answer is that the
24 reasonable royalty should be set to the licensor's
25 minimum willingness to accept in that situation for the

1 compensation purposes.

2 MR. ADKINSON: Jack?

3 MR. SKENYON: Just a quick comment on the idea
4 of getting away from the claim language itself. Dealing
5 with a claim that has computer, all its parts and the real
6 key pieces of that little circuit that's in the claim.
7 In terms of the litigation, you would have to have a
8 *Markman* hearing that would deal with a number of the
9 limitations in the claim. You would have to go to trial
10 and prove infringement, that all the limitations were
11 met by the accused product.

12 The invalidity case would have to be based, if
13 it's an anticipation case or obviousness case based on
14 all of the limitations in the claim, and then when
15 that's all decided and it's all decided in favor of the
16 patentee, then you get to the damages issue for the
17 infringement, and we're deciding it based on something
18 else. We're deciding on some little piece of thing or
19 why it was issued from the patent office to begin with.

20 So I think there's some philosophical problems
21 with that. I think there's practical problems with
22 making that element of proof here of why it was issued
23 from the patent office and what it is, so I see some
24 difficulty with that approach.

25 MS. MICHEL: Ed?

1 MR. REINES: I just want to make a minor point
2 on Greg's situation, which is when you have, for very
3 good factual reasons, no overlap in what the
4 hypothetical licensor or licensee would agree to because
5 of external things to their particular reality. One
6 argument I have seen from accused infringers is we make
7 almost no profit, so therefore we wouldn't possibly give
8 away more than our profit.

9 And to me that's sort of one of those spurious
10 arguments because obviously if someone is losing money
11 but they're taking market or they're using your
12 intellectual property it doesn't create a zero.

13 So I think one of the challenges is: How do you
14 deal with the situation where the ends don't meet? And
15 that shows how difficult the process can be.

16 MS. MICHEL: Aron?

17 MR. LEVKO: I have a case. I testified and went
18 through the CAFC, the Golight case -

19 MS. MICHEL: Yes.

20 MR. LEVKO: -- in which I was the expert, and in
21 fact the patentee got more in royalty than the selling
22 price of the defendant and that's because of the
23 circumstances. That's the difficult thing, I can go
24 through that, of trying to prescribe a certain
25 procedure, law, what have you, because as Bruce pointed

1 out and others have pointed out you need to have some
2 flexibility.

3 For instance, in this case Wal-Mart was the
4 defendant. I don't want to cast aspersion against
5 Wal-Mart, but in this case it was shown in court, and
6 that was outside of that ruling, that they had taken a
7 design by a manufacturer, taken it overseas and
8 introduced the product at about one-quarter of the price
9 of what the manufacturer patentee had been selling at.

10 And in the course of selling that, they claimed
11 lost profits and so forth and so on and wanted a royalty
12 of 5 percent on their reduced price. Well, when you get
13 into a market and disrupt it like that, when you go
14 overseas, to be shown -- as proven in this particular
15 case -- to infringe a valid patent, then the royalty
16 should not really reflect the defendant's financials
17 because that's not the economic position that the
18 licensing negotiation ought to be based on.

19 That it an extenuating circumstance and I bring
20 that up because there's lots of extenuating circumstance
21 that's I can't fathom to try to cover here. Just be
22 careful when you do a legislation that tries to
23 prescribe a calculation.

24 MS. MICHEL: Okay. Ed, and I think we will
25 start -- these will start being the last comments, so

1 please respond.

2 MR. REINES: This is very short to that, which
3 is another frontier of this whole area is open source
4 software now, but Lord knows what else will be open
5 sourced where there's no -- there's no base. There's no
6 revenue, and I think my sense is we're seeing more and
7 more where people are open sourcing other people's
8 things and saying: Aren't we great, we give this away to
9 everybody by our services and support and whatever else?
10 So that presents a whole series of issues around base,
11 so I agree on the flexibility.

12 MS. MICHEL: Anne?

13 MS. LAYNE-FARRAR: Also very briefly, in the
14 open source you may open source the component that has
15 the patent in it and get your money off of the
16 complimentary goods, like a service and say, well, the
17 patent doesn't read on my service. Well, you priced it
18 that way precisely to get around the patent licensing.

19 And another scenario would be like an
20 intermediate good where the intermediate manufacturer
21 indemnifies follow-ons, so in that case you may want to
22 charge more than the price of that wholesale good
23 because that person is passing on rights to others,
24 perhaps additional rights than he or she is using.

25 MS. MICHEL: Any final comments from our

1 wonderful panelists?

2 Well, thank you very much. This has been an
3 excellent panel. We will break for lunch now and return
4 at 1:45. We have Judge Sue Robinson from the District
5 Court of Delaware, who is well known as a patent jurist,
6 will be here for a keynote speech, and then we will have
7 an industry round panel, and we will see you then, I
8 hope.

9 (Applause.)

10 (Whereupon, at 12:23 p.m., a lunch recess was
11 taken.)

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1 AFTERNOON SESSION

2 (1:49 p.m.)

3 MS. MEYERS: Welcome back. Thank you for coming
4 back this afternoon. We'll go ahead and get started
5 now. We're doing the afternoon panel on damages law as
6 part of the FTC's series on the evolving IP
7 marketplace where we will have our industry roundtable,
8 but before that, we will have Judge Robinson talk.

9 So it is now my distinct pleasure to introduce
10 The Honorable Sue L. Robinson, District Court Judge of
11 the United States District Court for the District of
12 Delaware.

13 Judge Robinson has been a member of that court
14 for 20 years now. She served as Chief Judge of the
15 court from 2000 to 2007, and she also served on the
16 Judicial Conference of the United States from 2002 to
17 2003.

18 The District of Delaware is noted for hearing a
19 large number of patent cases and other complex
20 commercial cases. Judge Robinson has presided over many
21 patent cases and has been at the forefront of patent
22 jurisprudence. She has developed thoughtful and
23 engaging opinions and demanded high standards from those
24 practicing before her.

25 If you will indulge a shameless plug for

1 tomorrow's topics, among her opinions include several
2 post *eBay* opinions that demonstrate this level of both
3 theoretical and practical vigor and have taken great
4 strides in developing standards in the wake of the
5 Supreme Court's opinion in *eBay v. Merck Exchange*.

6 These opinions have required proof from evidence
7 on the record, and they have helped extend the analysis
8 and boundaries of the post-*eBay* injunction cases.

9 Further demonstrating her commitment to the
10 practice of law, Judge Robinson organized a group of
11 lawyers in 2004 to form a panel to draft the first
12 default standard for electronic discovery. In addition to
13 Her Honor's career on the court, she served as an
14 Assistant United States Attorney for the District of
15 Delaware, which demonstrates her continuing commitment
16 to the public service.

17 She was an associate with the firm of Potter,
18 Anderson and Copper. Judge Robinson earned her J.D. in
19 from the University of Pennsylvania School of Law and
20 her B.A. from the University of Delaware.

21 So with that, I will let her come up.

22 (Applause.)

23 THE HONORABLE JUDGE ROBINSON: Thank you very
24 much for that very gracious introduction. It's a
25 privilege as well as a challenge to be speaking to such

1 a knowledgeable audience today.

2 When I was first asked to participate in this
3 proceeding, I wasn't sure what I could contribute to a
4 discussion on the standards for assessing patent damages
5 and their implementations by courts, although I've been
6 on the bench actually since 1991, I was a magistrate
7 judge before that, and during my tenure, I have
8 marshaled hundreds of patent cases and tried 65 at last
9 count.

10 Nevertheless, my experience with damages is
11 limited, and let me explain why. Starting in the mid
12 1990s, the number of patent filings in the District of
13 Delaware began to grow exponentially. At about the same
14 time, judges had been directed by Congress, through the
15 guise of the Civil Justice Reform Act, to set firm trial
16 dates at the outset of each civil case.

17 As a result, it became apparent that the
18 traditional ways of scheduling and trying cases would
19 not accommodate our docket of no fewer than 20 multiple
20 week patent trials a year.

21 In order to maintain a firm trial date for all
22 of our cases, patent as well as our other civil and
23 criminal cases, we could not allow patent trials to last
24 indefinitely. We had to impose limits on lawyers so
25 that trials would start and end predictably. My

1 colleague, Judge Farnan, began the experiment of timed
2 trials in 1991, and we have never looked back.

3 In this regard, however, it stood to reason that
4 if we were going to limit the trial time given to
5 lawyers, we should limit the issues to be tried during
6 the limited number of hours allotted for trial. The
7 question then became how to separate issues for trial in
8 a fair and efficient way.

9 Although this is not true in every patent case
10 for every judge in my district, for the most part issues
11 related to damages, with the attendant issue of
12 willfulness, are separated, to be tried if at all once
13 liability has been finally established by the Federal
14 Circuit.

15 The decision to postpone trial of all damages
16 issues is based on several fundamental principles.
17 First, because injury is presumed if a valid patent is
18 infringed, liability can be tried without reference to
19 damages.

20 Second, trying damages to a jury who already has
21 the responsibility of determining infringement and
22 validity may be unduly burdensome, especially if the
23 case involves complex technology or multiple patents,
24 parties and/or prior art references.

25 Third, and I believe most importantly, both the

1 court and the market are better served if the parties,
2 with their superior knowledge of the market in which
3 they are operating, determine the practical consequences
4 of the court's legal determinations.

5 Now, because I'm supposed to talk to you for
6 more than three minutes, I am going to elaborate on my
7 three principles. As you all know, proof of
8 infringement is a two-step process. The court has to
9 construe the asserted claims. Then the jury has to
10 compare the elements of the accused product, and of
11 course we could be talking about the steps of an accused
12 method with the asserted claim limitations as construed
13 by the court.

14 If the jury finds by a preponderance of the
15 evidence that the elements of the accused product are
16 literally the same or equivalent to the asserted claim
17 limitations, the patentee has proven infringement. So
18 long as the patent is not invalidated, the patentee is
19 entitled to no less than a reasonable royalty as
20 damages.

21 In other areas of the law, a very different
22 analytical framework applies. For instance, a plaintiff
23 suing under a negligence theory has to prove not only
24 that the defendant violated a standard of conduct, but
25 further that plaintiff was injured and that his injuries

1 were proximately caused by defendant's negligent
2 conduct.

3 Similarly, a plaintiff pursuing antitrust claims
4 must prove injury in fact, that the injury was
5 proximately caused by the defendant's violation of the
6 antitrust laws, that the defendant's illegal conduct was
7 a material cause of plaintiff's injury, and that
8 plaintiff's injury was an injury of the kind that the
9 antitrust laws were intended to prevent.

10 Because the fact of injury is not an essential
11 element of the cause of action of patent infringement,
12 but is presumed once infringement is proven, a jury in a
13 patent case can determine all issues related to
14 liability, infringement and validity without ever
15 hearing a word about injury or the resulting damages.

16 This fundamental substantive difference between
17 patent and other civil cases lends itself well to making
18 patent trials procedurally unique. Patent cases are
19 also amenable to a difference in process because of
20 their complexity. Juries in a patent trial are expected
21 to understand, to at least a minimal degree, technical
22 evidence about difficult subjects over which very bright
23 scientists might reasonably differ.

24 Layered over this pure science are the
25 litigation tactics of the lawyers in the courtroom,

1 which are just as likely to obfuscate as clarify the
2 issues to be tried. The temptation to inappropriately
3 use evidence on damages to sway a jury's view on
4 liability is certainly not unheard of, and I think it
5 was referred to today in this morning's panel.

6 Indeed, like the claim construction exercise,
7 and I have the feeling some of you have heard me say
8 this before, a patent trial involves science, distorted
9 by the limitations of language, further distorted by the
10 trial tactics of aggressive members of the patent bar
11 fighting over their client's market share. Bottom line,
12 whenever you mix science with business and legal issues,
13 all seen through the prism of litigation, the end
14 product is bound to be complex.

15 Then think about the hypothetical negotiation
16 and whether that artificial, legal construct really
17 resonates to a typical juror, who has no information
18 about the parties or the market within which they're
19 operating except what they've learned in trial.

20 Jurors are precious resource, members of the
21 public taking their time to resolve the disputes of
22 businesses when businesses have failed to do so. One of
23 my jobs as a trial judge is to respect and protect the
24 jury's time by making the process efficient and
25 understandable.

1 If liability can be determined without the added
2 complexities of damages within the context of a timed
3 trial, it follows that damages should be bifurcated and
4 the judgment on liability entered for purposes of appeal
5 pursuant to Federal Rule of Civil Procedure 54(b).

6 The question might be posed at this juncture,
7 only because I need to fill some time, whether discovery
8 on damages should also be bifurcated, and I suggest that
9 there are two different but both reasonable approaches
10 to this question.

11 On the one hand, damages discovery tends to
12 generate discovery disputes because so much of this
13 material relates to the most confidential information a
14 business has. Damages figures have to be updated after
15 appeal anyway, so why not take 60 to 90 days of focused
16 discovery after liability has been finally established
17 by the Federal Circuit?

18 On the other hand, I understand from Judge
19 Thyng, our magistrate judge who has probably settled
20 more patent cases than any other settlement officer in
21 the country, or at least judicial officer in the
22 country, that settlement of a patent case is virtually
23 impossible without some damages discovery.

24 A patentee has to know not only how an alleging
25 infringing widget works, but how many are being sold in

1 order to discuss settlement intelligently. Moreover, if
2 the patentee is seeking a preliminary injunction,
3 damages discovery is required at the outset.

4 Regardless of when damages discovery proceeds,
5 it is beyond dispute that discovery in a patent case
6 imposes a tremendous burden on the parties. Document
7 production, especially electronic discovery, and
8 depositions of employees can cost businesses millions of
9 dollars in terms of lost hours of productivity and
10 professional fees.

11 As a trial judge, I am cognizant of these costs
12 and at least try to take into consideration when I make
13 decisions that impact the litigation -- and at least try
14 to take these costs into consideration when I make
15 decisions that impact the litigation and trial
16 processes.

17 For example, I have imposed limits on when
18 document production can proceed and on when motions for
19 summary judgment can be filed so that clients stop
20 pursuing unreasonable expectations and lawyers stop
21 turning hourly fees.

22 The tension between cost and reasonable
23 litigation goals is reflected best in what I call the
24 *Daubert* epidemic relating to the Supreme Court's opinion
25 of that same name issued in 1993. I have to say I had

1 some prepared remarks, but after the remarks this
2 morning, at lunch, I wrote down some more on my table
3 cloth, so I might not be as polished here.

4 In my view, *Daubert* was supposed to protect the
5 litigation process against bad science, not to determine
6 which expert's analysis fits the economic realities of
7 any particular case best. I've had cases where the
8 parties have exchanged *Daubert* motions on every single
9 expert witness, witnesses who have impeccable
10 credentials, and whose analysis reflect fairly
11 unremarkable principles.

12 Nevertheless, because the experts disagree
13 substantively, motions are filed to have the judge
14 preclude the experts from testifying at all, as opposed
15 to testing the merits of the expert's opinions through
16 the rigors of cross examination.

17 Now, this is especially true with damages
18 experts, generally economists who build their expert
19 opinions on a series of assumptions based on the
20 evidence of record. Arguably if one assumption is
21 incorrect, their theory falls apart like the veritable
22 house of cards.

23 In this regard, however, and my apologies to any
24 economists who are still here, but my view is that
25 economic theory is basically all relative, that there

1 are very few absolutes that can be applied, and the
2 economic landscape in my view looks very different from
3 the perspective of a patentee versus the perspective of
4 the infringer.

5 To have a judge shape that landscape based on
6 lawyer arguments without hearing any of the evidence
7 from the people who have the evidence to me undermines
8 the right to a jury trial, and I truly believe that --
9 well, I also find it interesting that the lawyers expect
10 the Court to make these determinations. They don't say
11 anything about their clients who actually know the
12 economic realities putting any self restraint on the
13 experts that they've hired.

14 So in my view, with due respect to the
15 litigators who spoke about how -- and I know I've
16 heard -- it's never happened in my court, I've heard
17 that judges, I take it at the urging of litigators,
18 spend days on *Daubert* motions.

19 I believe that that is contrary to both the case
20 itself and to the true economic realities that the
21 parties have a right to present to a jury. Enough about
22 *Daubert*. Back to my three principles here.

23 Having shared my view that the fact of damages
24 is irrelevant to the issue of liability and therefore
25 adds an unnecessary layer of complexity to an already

1 complex jury trial, it follows that damages should never
2 become the tail that wags the dog in trial. Again, let
3 me explain. Although the owner of a valid patent has
4 substantive legal rights, it generally takes a business
5 dispute to generate patent litigation.

6 Now, I respect the fact that patent cases are
7 really business cases and that litigation is but one
8 weapon in a company's arsenal of competitive armaments.
9 Nevertheless, when business decisions are driving a
10 party's litigation strategy, a case can spin out of
11 control for the simple reason that the court is rarely
12 informed of the business parameters in which its
13 operating.

14 Both aspects of a patent dispute, the legal and
15 the business, need to be resolved. In reality, however,
16 the court is better equipped to resolve the former. It
17 follows that the court should use its limited resources
18 to do just that. After all, businesses generally have
19 the means to resolve their disputes. However, they need
20 the motivation a court decision affords to focus their
21 means on an amicable solution.

22 Of course, having judicial officers available
23 for mediation, both before and after the trial on
24 liability, leads to the best results. In the settlement
25 arena, unlike the courtroom, the issue of damages is and

1 should be the engine that drives the exercise. Unless a
2 patent owner is seeking only injunctive relief, a good
3 settlement officer can generally fashion creative ways
4 to honor the patent owner's substantive rights while
5 accommodating the parties' business needs, depending on
6 the dynamics of the market and of their business
7 relationship.

8 A jury can't do that, and indeed neither can the
9 trial judge who does not have access in the normal
10 course to the type of business information made
11 available to a settlement officer. And that's how it
12 should be. If parties to a business dispute cannot
13 resolve their business problems without resorting to
14 litigation, let the courts do what they do best, finally
15 determine substantive legal rights.

16 On the other hand, once the Federal Circuit has
17 made its final legal determination, let the parties have
18 the first opportunity to do what they do best.
19 Understand and quantify the market consequences of the
20 Court's decision. I suggest that the logic of my
21 reasoning is supported by the fact that very few of my
22 cases come back for a trial on damages.

23 A quick look at the Federal Circuit's
24 precedential opinions issued last year likewise
25 indicates that the subject of damages is generally not

1 the focus of most of these opinions.

2 Before I close, let me say a few words about
3 injunctions. Since the Supreme Court's 2006 decision in
4 *eBay*, it is much more difficult in my view to justify
5 granting an injunction at all, let alone prior to the
6 Federal Circuit's final say on liability.

7 Starting with the premise that injunctive relief
8 is not meant to be penal in nature, I have come to
9 conclude that injunctions are really about market share
10 and are best suited to protect those patentees in two-
11 party markets, most often emerging markets where they
12 compete head-to-head with the infringer.

13 I find the imposition of injunctive relief more
14 problematic when a patentee does not compete in the
15 market at all or when the infringer is one among many
16 competitors in a market, the point being that if the
17 patentee's market share will not be substantially
18 affected by enjoining the infringer, then surely the
19 patentee is not suffering irreparable harm by allowing
20 the infringer to continue its business pursuits. Under
21 those circumstances, money damages may well constitute
22 an adequate and appropriate form of compensation for
23 infringement.

24 My final thoughts for today: I recognize that I
25 have talked more about process than about substance. I

1 suggest that there is good reason for my doing so. As a
2 trial judge, I write on water. My legal analysis is not
3 correct unless and until the Federal Circuit says it is,
4 but the Federal Circuit's decision is only as good as
5 the record upon which it is based, and that is my
6 primary job as a trial judge, to make sure that the
7 litigation record reflects a fair, efficient and
8 predictable process so as to engender confidence in the
9 outcome by the business community.

10 This is especially challenging in times like the
11 present when market forces are driving business disputes
12 to litigation, but the third branch is receiving neither
13 the resources it needs nor the respect it deserves for
14 its role in maintaining a healthy, competitive business
15 environment.

16 I suggest that the separation of issues,
17 especially of damages, is an effective way to use the
18 Court's expertise without undue burden on its limited
19 resources.

20 I thank you for your time and attention.

21 (Applause.)

22 MS. MICHEL: Thank you, Judge Robinson, for
23 those very thought provoking comments. We'll ask the
24 panel to come up now, and we would like to hear their
25 reaction, so we will get some of that during the panel.

1 (Pause in the proceedings.)

2 PANEL 2: INDUSTRY ROUNDTABLE DISCUSSION

3 MODERATORS:

4 BILL ADKINSON, FTC

5 SUZANNE MICHEL, FTC

6 PANELISTS:

7 KEITH AGISIM, Associate General Counsel for Global
8 Intellectual Property, Bank of America

9 PHILIP S. JOHNSON, Chief Patent Counsel, Johnson &
10 Johnson

11 JACK LASERSOHN, Partner, The Vertical Group

12 GARY H. LOEB, Vice President for Intellectual Property,
13 Genentech

14 BRYAN LORD, Vice President, Finance and Licensing and
15 General Counsel, Amberwave

16 TARANEH MAGHAME, Vice President, Patent Policy and
17 Government Relations Counsel, Tessera, Inc.

18 KEVIN H. RHODES, Chief Intellectual Property Counsel, 3M
19 Innovative Properties Co.

20 DAVID SIMON, Chief Patent Counsel, Intel Corporation

21 MARIAN UNDERWEISER, Intellectual Property Law Counsel,
22 IBM

23

24 MR. ADKINSON: Thanks very much. We're
25 reassembled with a great panel. It's going to be an

1 industry roundtable to discuss patent damages, in
2 particular reasonable royalty awards, and the concerns
3 that were raised in this morning's panel from the
4 practical perspectives of these particular industries.

5 The representatives that we've assembled are
6 going to talk about how patent damages affect licensing,
7 business strategies and innovation in various sectors of
8 the economy. In particular, they're going to discuss,
9 from the perspectives of their own industries, whether
10 damage awards in patent cases promote innovation and
11 promote R&D. They're also going to examine various
12 proposals to revise standards for damage determinations.

13 We have a great panel and limited time, so I'm
14 just going to give the name, rank and serial number.
15 Their impressive bios are on the web, and the nature of
16 their work will be evident from the discussion that
17 ensues. I do want to express our gratitude for them all
18 coming here during these times.

19 We're arranged alphabetically starting just to
20 my left here. Keith Agisim works for Bank of
21 America as associate general counsel for global
22 intellectual property.

23 Phil Johnson is chief patent counsel at Johnson
24 & Johnson.

25 Jack Lasersohn is a partner at The Vertical

1 Group.

2 Gary Loeb is Genentech's vice president for
3 intellectual property.

4 Bryan Lord is vice president, finance and
5 licensing and general counsel, at Amberwave.

6 Taraneh Maghame - is that close?

7 MS. MAGHAME: Close enough, Taraneh Maghame.

8 MR. ADKINSON: Thank you, sorry not that close,
9 but Taraneh serves as vice president, patent policy and
10 government relations counsel at Tessera.

11 Kevin Rhodes is chief intellectual property
12 counsel at 3M Innovative Properties.

13 Dave Simon works as Intel's chief patent
14 counsel.

15 Marian Underweiser works at IBM where she is
16 intellectual property law counsel.

17 Thanks very much. We look forward to the panel.

18 MS. MICHEL: All right. Let's dig in. I know
19 this group has a lot to say on this topic. They were
20 invited because they've all been very involved in the
21 issue over the last couple of years.

22 Let's start with the big picture. Why is this
23 issue of patent damages important to your company, and
24 you can turn up your table tent, and I'll call on you,
25 but this might be something that most people would like

1 to comment on, and I'll just remind panelists to speak
2 into the mike, and we'll pick it up on our transcript.
3 Thank you.

4 Would anyone like to go first? Marian, I'm
5 looking over there, sorry.

6 MS. UNDERWEISER: Okay. Well, thank you, first
7 of all, for having the panel and having me here.

8 MS. MICHEL: And as part of --

9 MS. UNDERWEISER: I appreciate it.

10 MS. MICHEL: If it works as part of this issue,
11 you can address why over-compensation and under-
12 compensation might be problems.

13 MS. UNDERWEISER: Sure. Well, IBM's perspective
14 on this is a balanced one. We look at reasonable
15 royalty damages both from the perspective of
16 patent holder, who has a significant IP licensing
17 business. We make over a billion dollars a year
18 licensing our IP. We also make a hundred billion
19 dollars a year selling products and services, and so
20 we're subject to a lot of adverse assertions of patents.

21 So for us, it's really more of a question about
22 the whole IP market, the licensing market. We
23 don't want to have to litigate. We would like to be
24 able to have an efficiently running licensing market,
25 and what does that mean?

1 Well, the court-awarded damages are effectively
2 providing a benchmark for licensing and settlement
3 negotiations, and collectively they're making up this
4 marketplace. And for the marketplace to work, there has
5 to be efficiency there. There can't be friction. There
6 can't be a whole lot of transaction costs, or what you
7 end up having is a problem getting -- your products are
8 going to cost more than they need to cost.

9 Collaborations may not occur, and you won't have
10 the innovations making their way into products, and in
11 the case where parties decide to go forward but they
12 can't agree, then they end up litigating and litigating
13 is very costly and diverts funds away from where they can
14 productively be used.

15 So what do we see? We see a problem in our
16 industry where there is this sustained high level of
17 patent litigation. There is the opportunity for
18 inflated awards, and this to us means that there is too
19 much diversion away from where things should be
20 operating efficiently in the licensing market into
21 litigation.

22 And at the same time, the parallel conclusion
23 you can draw from that is that the standard and
24 reasonable royalty damages is not providing the kind of
25 certainty that parties need to be able to negotiate

1 those deals upfront.

2 So what we think would be a good way to approach
3 this is to focus the damages analysis in a way that is
4 somewhat more objective, right? And that would be --
5 and a number of the panelists touched on this this
6 morning, but that would be to focus on the economic
7 value of the invention: What did the inventor really
8 contribute? What's that economic value, and that's fair
9 to the patentee? It compensates the patentee for what
10 was contributed. It doesn't over-compensate the
11 patentee for what wasn't contributed.

12 The way we think would be -- we have some
13 guidance from a recent case. It's a recent case that
14 was on the issue of patent exhaustion, but we have some
15 guidance from the *Quanta* case with the standard of
16 essential features, and I can talk about that some more
17 as we go on.

18 But that was a case where the Court was also
19 focused on what is the value of a certain product that
20 was being sold, and I think that gives us an objective
21 standard, so that it is fair and that provides
22 participants in the licensing market the ability to make
23 decisions upfront so that innovations can make it into
24 products before parties end up with a dispute they can't
25 resolve.

1 MS. MICHEL: All right. Dave, do you want to
2 comment on why damages is so important to Intel?

3 MR. SIMON: Yes. Unfortunately, Marian went
4 first and we tend to agree, so I'll augment a little
5 bit.

6 MS. MICHEL: Now, you're in alphabetical order,
7 by the way. That's not the computer end.

8 MR. SIMON: Both by -- actually we won't go
9 there.

10 From our perspective, it's important to both --
11 to compensate the right way. It's clear if you under-
12 compensate, you set bad incentives for innovation. If
13 you over-compensate, you set bad incentives for
14 innovation also.

15 Similarly there was a speaker earlier who kept
16 talking about you have to punish people because there
17 may be infringement under the radar. If do you that
18 you -- if you start putting deterrence into this, you
19 start setting all sorts of problems by adding that.

20 I think the one thing particularly with non-
21 practicing entities that has to also be put into the
22 system is the costs in the system are very much -- when
23 you have a non-practicing entity versus a practicing
24 entity, the cost in the system are very much slanted.

25 Now, when you're a defendant, your counsel

1 refuses generally to work for a contingency fee. For
2 some strange reason we haven't been able to get anybody
3 to do that. Similarly, when we have to produce
4 documents, we're talking about literally, electronic
5 document production now for us is millions of dollars in
6 every single case, frequently the same documents, but
7 every single case, huge costs. And many of the entities
8 shows up, Here's my document. It's the file wrapper.
9 It's the patent, and that's about it.

10 They're of course on contingency fee, and there
11 has been a whole phenomenon capitalizing on that as, A,
12 shown by, if you look at the statistics we saw
13 this morning and you sort them by industry, it's clear
14 that, for want of a better term, I'll use the term tech
15 industry because that's what people tend to use, the
16 damages are significantly higher, between four and six
17 times higher.

18 And in addition to which what we're seeing is
19 that's where the non-practicing entity litigation tends
20 to be. Where they're very much viewing it as this is a
21 way to -- if I get, if I'm lucky I strike it rich, and
22 that creates a whole bunch of incentives, disincentives
23 in the system, which just aren't frankly benefitting
24 innovation.

25 It's even getting to the point that getting 30

1 or 40 million dollars out of one company can be rather
2 hard in litigation, but what we now have is the number
3 of defendants has gone up dramatically in the last few
4 years where you now have 5, 10, 15, even 30 or 40
5 defendants in a patent case, and in some districts
6 you get -- I understand why the judges do this, you are
7 getting 40 hours total trial time in a week or two week
8 period.

9 Trying to try a case with that many defendants
10 is of course unmanageable, and the thinking is not that
11 they're going to take that many defendants to trial, but
12 the thinking is they're going to get a couple million
13 dollars from each of the defendants until they get down
14 to a manageable number, and then those last two or three
15 or four unlucky souls are going to be the ones that go
16 to trial.

17 And it becomes a very economical situation to do
18 this from a plaintiff's standpoint, so as a result, what
19 we see patents that are supposed to be -- being
20 used for innovation are actually being used for lots of
21 other purposes, and I think it's because at least in our
22 industry, the system tends to over compensate the
23 patentee.

24 MS. MICHEL: Thank you. Kevin?

25 MR. RHODES: Thank you. First of all, thank you

1 for inviting me to participate this afternoon. A little
2 bit different perspective. First of all, 3M is balanced
3 on this issue as well. On the patent owner's side, we
4 currently own about 6,000 U.S. patents used to protect
5 our investment in research and development, which
6 totaled nearly 1.4 billion last year so we have a long-
7 standing commitment to the patent system.

8 Now, why do we disclose our inventions in order
9 to get a patent or I should say try to get a patent? We
10 do that because we think they will provide meaningful
11 protection for the investment in R&D that leads to those
12 inventions, for the following investments and
13 commercialization for those inventions that we
14 commercialize, and to protect the commercial products
15 that we put on the market from infringement.

16 So in my view, the damages award is part and
17 parcel of that protection. Typically when we go into a
18 patent infringement litigation, and we have a steady diet
19 of plaintiff-side cases, in fact more cases are on the
20 patent owner's side than defense cases, we don't get
21 preliminary injunctions.

22 Preliminary injunctions are rare, and so you
23 have a situation where you have two or three years of
24 infringement before hopefully you can get that permanent
25 injunction, and in the post-eBay world, I think on

1 Professor Janicke's web site, 69 percent now of cases in
2 which permanent injunction is asked for, it's entered.

3 So hopefully we're going to get that permanent
4 injunction, but even if that doesn't come for two or
5 three years into the litigation, we want to have some
6 type of meaningful compensation, and let's not lose
7 sight of the fact that damages is compensatory in
8 nature, some type of compensation for that infringement,
9 whether it be reasonable royalty or lost profits or most
10 commonly a combination of the two.

11 So I do believe that there's a compensatory
12 aspect. I also believe, from firsthand experience, that
13 damages too low eliminate the deterrent function of
14 meaningful remedies for patent infringement litigation.

15 We have seen -- over 60 percent of our sales are
16 outside of the U.S. We've litigated patents all over
17 Europe and Asia, and we see what happens in legal
18 systems where there aren't effective remedies for
19 infringement. Essentially infringement becomes a cost
20 of doing business. It's cheaper to free ride on someone
21 else's R&D and pay the slap on the wrist penalty than it
22 is to do your own R&D.

23 So there is a deterrent feature to damages that
24 I would not want to see undermined if we start taking
25 away remedies one by one, permanent injunctions and then

1 lowering damages.

2 On the other hand, we market over 50,000
3 products and services. Despite our efforts to clear
4 those products and our corporate IP policies say that we
5 won't infringe the valid enforceable IP rights of
6 others, we have a steady diet of defense cases.

7 We know what it's like to receive allegations of
8 infringement of one component of products with
9 hundreds of components, and so we try to remain balanced
10 on the question of damages. But what we have found
11 through our experience -- and I'll disagree with most of
12 the panelists this morning. What we have found is that
13 the 15 *Georgia-Pacific* factors really do replicate what
14 real world licensing negotiation outside of the
15 litigation context, the types of issues that are
16 discussed in those negotiations.

17 And they provide much needed flexibility for all
18 the different industries we're in, the fact patterns
19 that those cases generate, the different business models
20 to monetize IP, and without that flexibility, I don't
21 think damages can be boiled down to a single test or
22 single factor.

23 I think it's unrealistic to think that if we
24 move to a standard like economic value, we would ever
25 have any agreement. I think what Judge Robinson just

1 said is apt, and that is that then we just have experts
2 on either side arguing over what the proper economic
3 value is. I think it's Pyrrhic to think that by changing
4 from a flexible test to a less factored test, if you
5 will, that we get added certainty.

6 I was also struck by some of the statistics this
7 morning. We heard this morning the median damages
8 awards have remained remarkably consistent over the past
9 15 years and declined in 2008 to what looked to me like,
10 from just looking at the graph, was maybe the lowest
11 level since 1998.

12 So it strikes me, I wonder when we're talking
13 about changing damages laws, if we're talking about a
14 solution in search of a problem here.

15 MS. MICHEL: Okay.

16 MR. RHODES: But the awards are very erratic.
17 Well, erratic is another way of saying there's some big
18 numbers on those slides, right, but we don't know
19 anything about those cases. What were the inventions?
20 What were the accused products? What were the sales of
21 the accused products? You look at any body of law and
22 you will see a disparity in awards of damages, so I
23 don't think patent law is unique.

24 I don't think any alternative system is going to
25 give us added certainty, and I don't think the case has

1 been made by data that damages awards are out of control
2 or that juries aren't looking at the proper economic
3 factors in making damages awards.

4 MS. MICHEL: Thank you.

5 MR. RHODES: So in my view, there is no need to
6 abandon the body of law that's been developed over
7 decades in favor of new rules. Especially in this time,
8 those new rules have unsupported justification and just
9 unknown economic ramifications, and I think that is
10 not -- this is not the time to be making those kind of
11 new rules.

12 MS. MICHEL: Thank you. Taraneh?

13 MS. MAGHAME: Yes. Tessera, which I'm sure many
14 of you have not heard about, doesn't have a name
15 recognition as my three panelists here, but we are a
16 technology company in the Silicon Valley. Our core
17 technology relates to the packaging of semiconductor
18 chips.

19 So initially when we developed this technology
20 we did manufacture it. We did actually do packaging
21 of the chips. Being a small company, having a small
22 manufacturing plant in Singapore, there wasn't enough
23 capacity for us to meet the demand for our innovative
24 technology, because basically what we were able to do was
25 to create the ability to miniaturize these chips with

1 the packaging in order to be able to put them in our
2 very small kind of handhelds and other consumer
3 electronics.

4 So our customers were really one of the main
5 reasons why we turned our business into a licensing
6 model. They needed additional sources for this
7 technology. They needed us to license it to others who
8 could more efficiently manufacture and who had more
9 capacity to manufacture.

10 So basically there was a shift in our business.
11 We took our home-grown technology. We sold off our
12 manufacturing plant and we turned our business into a
13 licensing business, and since that time, we have signed
14 up over 50 companies, major companies, as licensees.

15 Now, that accounts for a certain percentage of
16 the market. Now our technology is widely adopted, and
17 there are still companies out there that are not willing
18 to pay our standard royalties. And our royalties are not
19 -- it's not a situation where we have to establish a
20 value, we don't establish economic value. We don't
21 establish kind of what is the incentive feature here.

22 There's over 50 licensees already. We've
23 been -- we've built over a billion dollar company, a 1.2
24 billion dollar company using this licensing model. So
25 we are forced into litigation. If we cannot negotiate

1 licenses with people that are holding out on us, if we
2 can't take our repeatedly-tested patents that have been
3 tested in the courts, tested in the ITC and say: You are
4 infringing because you use the same technology all our
5 licensees do and you need to pay us -- there isn't another
6 choice other than to litigate.

7 So we keep hearing about these outrageous costs
8 of litigation for companies -- what we call the megatech
9 companies who are pushing for this kind of reform, 50
10 million a year, 60 million a year. Well, I think I can
11 tell you that last year, we spent more than that on our
12 litigation, so our little company has to spend more than
13 that while we're still in litigation.

14 So the costs are not one-way, but one thing that
15 strikes me is that in all of this discussion, first of
16 all, we don't talk about what that amount of money for
17 the megatechs means in terms of their revenues and their
18 profits. I can tell you, like I said, we're a 2 billion
19 dollar company, 1 billion dollar company. Spending 60,
20 70, 80 million dollars in litigation in one year is a
21 heck of a lot higher percentage than the \$50 million that
22 a company spends defending itself on the number of
23 patent litigations they may have in any given year.

24 But the other thing that I don't hear about is,
25 for example, IBM, big licensing company, a lot of cross

1 licenses. Do we ever put a value on those cross
2 licenses because if you have two what people like to
3 call practicing entities going at it, and they end up
4 settling, what do they do? They take cross licenses.
5 What is the value of those cross licenses? Has anyone
6 actually sat down and said --

7 MS. MICHEL: How do these issues play into why
8 the damages are important to your company?

9 MS. MAGHAME: Because when we talk about damages
10 and people talk about over-compensation, they say --
11 first of all, again I agree with Kevin that we don't
12 have the data to show this, but they talk about these
13 outrageous damages, which the data this morning didn't
14 show that in my opinion, and we look at numbers.

15 But if the same lawsuit was between what you
16 would call practicing entities and there was a cross
17 license, I think there should be an attempt to assign
18 some value to that cross license and compare that to the
19 amount of money that exchanges hands in a situation
20 where a company's product is its IP, and that IP is
21 being asserted against someone who is willfully
22 infringing it.

23 Then the other aspect of this is we talk about a
24 deterrent effect, and David was saying how that just
25 creates all sorts of other problems. I guess I don't

1 really know what those other problems are, but when
2 we're talking about deterrent effects, we're talking
3 about willfulness.

4 When someone has been found to infringe and the
5 patent's been found valid, that's when we're talking
6 about enhanced damages so we need to keep in mind at
7 what stage we're talking about this. It is necessary to
8 deter willful infringement, and if that's what's being
9 done -- and we even saw from the numbers this morning,
10 that that's not really occurring on a regular basis.

11 I think the average was that there was maybe
12 12 percent of cases where enhanced damages were given,
13 and that was one and a half times, perhaps even though
14 they're allowed to be trebled.

15 So again I keep coming back to this question of:
16 Where do we see the over-compensation and where is the
17 data that shows that we need to do something about this
18 quote, unquote, problem? From our perspective, we need
19 to have the ability to obtain appropriate royalties for
20 our technology that we've spent hundreds of millions of
21 dollars developing.

22 The only way we can do that is through
23 litigation, if we cannot come to an agreement with folks
24 that are using that technology, and having the
25 flexibility to determine the amount of damages is

1 absolutely necessary.

2 The other thing that struck me this morning --

3 MS. MICHEL: Actually, why don't we move on
4 because we'll come back, and we'll have an interactive
5 discussion on a number of topics.

6 Bryan, could you tell us why for your company
7 Amberwave, the issue of damages is important?

8 MR. LORD: Sure. First of all, a little bit of
9 background on Amberwave. It's probably the case that
10 most people at this table have a legal department that is
11 larger than the size of my entire company. We're a 25-
12 person research and development company in Salem, New
13 Hampshire. We were spun out of MIT back in 1999.

14 We've raised 91 million dollars in venture
15 capital to basically bring to market a suite of
16 technologies that are in the domain of
17 hetero-integration of advanced materials. That's a
18 mouthful, but essentially what that means is you take
19 different elements that are on the periodic table, all
20 of which have different semiconductive properties, and
21 you put them together in special ways.

22 Those special ways can help semiconductor chips
23 run faster, use less power. They can make solar cells
24 more efficient. They can make LEDs that some day will
25 replace light bulbs above us more efficient and

1 brighter and more pleasing to the eye.

2 So what we did in contrast to Tessera is raise
3 this venture capital dollars. It really was the classic
4 university professor and a frat brother turned venture
5 capitalist who got together over coffee and decided to
6 found the company based on this material science
7 technology.

8 And unlike Tessera, we actually decided from the
9 outset that the flexibility of the licensing business
10 model made a lot of sense for the company. Being a
11 venture-backed company, it made no sense to raise the
12 500 million dollars or the 5 billion dollars to actually
13 go into production and manufacturing.

14 And instead, as our world is becoming
15 increasingly disaggregated, not aggregated, we're
16 actually disaggregating in our economy, it made sense
17 for us to stick to our knitting and focus on being a
18 research and development shop.

19 So for us, damages really is the fallback that
20 the venture capitalists asked about when they decided
21 whether to make an investment in Amberwave, so we get
22 that your technology has got some promise. We get that
23 you've got some smart Ph.D.s. We get that we've got
24 money.

25 What happens if you bring a product to market

1 and your sales guys do their job and somebody on the
2 other side of the table says, in the licensing business
3 model, thank you for teaching us about your technology,
4 we're going to go ahead to use it and don't call us,
5 we'll call you? That's what damages really relates to.
6 It's really what is the -- as some people in the field
7 call it a BATNA, what's the best alternative to a
8 negotiated agreement.

9 And if you think about the Amberwave story, it
10 really matters to everything, from that entrepreneur,
11 that scientist at MIT deciding whether this was a risky
12 enough or safe enough pursuit for him to go forward,
13 whether those venture capitalists really had enough
14 confidence in the intellectual property that was going
15 to be generated to put that capital to work, and frankly
16 whether those employees, me being one of which, said is
17 this the place where I'm going to dedicate a hundred
18 percent of my human venture capital to this enterprise?

19 So patents really matter. Patents really
20 protect that joint investment, and I think we ought to
21 see more of the Amberwaves at the table and talking
22 about how patents are important to them that compliment
23 the very important issues that some of these large and
24 well known companies also talk about.

25 I also will make one additional point. Beyond

1 just the IBMs and Amberwaves as well, I think it's
2 worthwhile for us to take note of where we stand as a
3 society. This debate really started back a couple
4 Congresses ago at least, 2005, and it's been portrayed
5 as tech versus pharma, as tech versus trolls, as good
6 guys versus bad guys and whatnot.

7 And there is a very, very serious economic
8 debate going on that's trying to pour billions, if not
9 trillions of dollars into the economy, to get people
10 back to work, to get people to take risks and to bring
11 new technologies to the marketplace, and it seems crazy
12 to me that we are also having a conversation about how
13 to reduce the negotiated value of intellectual property
14 in today's day and age.

15 So I would encourage all of us also to think
16 about the counter-incentives, the disincentives that I
17 think we might be perpetuating by really continuing the
18 debate that happened and started a long time ago and
19 quite frankly ought to take place in a different context
20 today.

21 MS. MICHEL: Thank you, and Gary, why are
22 damages important?

23 MR. LOEB: Well, damages are important on both
24 sides of the equation for Genentech. We're the target
25 of IP lawsuits about 60 percent of the time, and we are

1 the enforcer of IP about 40 percent of the time. So I
2 guess like some of the panelists, we actually feel like
3 we're sort of a little bit in between the two camps that
4 Bryan talked about a little bit, that have sort of
5 dictated the patent reform debate.

6 We're sympathetic to the concept of patent
7 hold-ups because there are a variety of cases that have
8 bubbled through the system on things like research tools
9 or such where either the patentee is trying to claim a
10 reach-through royalty on a product that doesn't actually
11 practice the patent, or somehow the patentee has gotten
12 claims to sort of a reach-through claim -- where they've
13 covered the entire product by expanding the scope of
14 their claim, but really focusing on the inventive step in
15 their invention.

16 And actually one of the key biotech cases that
17 went to the Supreme Court dealt a little bit with the
18 issue, the *Merck v. Integra* case, where you ultimately had
19 what was deemed by the Federal Circuit opinion that was
20 ultimately -- that is no longer in force -- what was
21 deemed as a reasonable royalty of \$15 million that was
22 essentially approved in the Judge Newman dissent where
23 you had -- against Merck which had never gotten a
24 product to the market, had never made a sale, had just
25 had investment in development of tens of hundreds of

1 millions of dollars in a product, and so you had debate.

2 Ultimately that damages award of \$15 million, I
3 think was reduced to \$6 million, but still that's a
4 pretty hefty sum when even today, five years, four years
5 after the fact there's still no product from Merck out
6 on the market, so who knows if there will ever be a
7 product out on the market by the time that the patent
8 expires.

9 So we're sympathetic to the concept of patent
10 hold-ups, but at the same time we're very invigorated
11 about the concept that we need to be able to enforce our
12 patents and get the proper remedies for our patents, and
13 that's driven in large part by the long product life
14 cycles in biotechnology.

15 We have eight to ten years before we ever get a
16 product to market once it's actually left the lab, so
17 the whole clinical trial process is such that, if we
18 can't rely on our patents to protect against competition
19 and to provide a reasonable return on our investment,
20 then the hundreds of millions of dollars that we invest
21 in development are really at risk sort of during the
22 whole time.

23 And often because of the *Merck v. Integra*
24 decision at the Supreme Court level, you can't actually
25 test your IP against a potential competitor until

1 they've actually launched because the whole process of
2 clinical trials is insulated from infringement, so you
3 have a period where maybe you know someone has a very
4 similar product that's potentially practicing your IP,
5 and you're both sort of in development. Maybe you
6 launch, but you can't find out until they launch if they
7 really infringe your IP because you don't have a ripe
8 case or controversy because there's no actual
9 infringement.

10 So we definitely think that once you actually
11 have a case with someone who hasn't taken a license, you
12 need to be able to enforce your patents and be able to
13 get appropriate damages with respect to them.

14 So therefore we're very concerned about some of
15 the proposals on the patent reform front with respect to
16 inventive contribution or essential features or
17 predominant feature, particularly predominant feature.
18 Because you look at a biotech product, we just have a
19 product. It's not a computer that's preloaded with
20 software that comes with a screen.

21 I mean, we just have a product, and it's often
22 very difficult to say that a very important
23 contribution -- that maybe the main reason you got FDA
24 approval -- is the predominant feature of the product.
25 It's not a particularly meaningful analysis with respect

1 to a lot of pharma and biotech products, so we worry
2 about a tailoring of the economic value rule or the
3 reasonable royalty analysis that sort of excludes a
4 whole area of technology.

5 And then the other thing, we worry about just in
6 general is trying to over-tailor the whole approach to
7 damages. I think I largely agree with Kevin that the
8 *Georgia-Pacific* factors are working reasonably well, and
9 maybe with apologies to Judge Robinson, I think
10 sometimes it does involve more oversight by a judge to
11 make sure that they continue to work well.

12 And just before I close, I just want to bring up
13 one case where we actually faced a theory that was going
14 to the jury where a very reputable economics damages
15 expert was going to say that every time you have a
16 negotiation, the parties will always meet in the middle,
17 and you should always get 50 percent of the profits of
18 the party based on the total number of licenses taken at
19 the time.

20 That almost made it to the jury, and it was
21 based on a sort of obscure theory of the mathematician
22 from *A Beautiful Mind*, and coincidentally, *A Beautiful*
23 *Mind* had just won the academy awards, so it was on all
24 the jurors' minds, so we brought the *Daubert* motion to
25 try to get that theory stricken.

1 Ultimately we didn't have to go there because we
2 invalidated the patent, but I do think that damages
3 experts, maybe more than some other types of experts,
4 are willing to go out on pretty extreme lines and that a
5 lot of money is wasted in the whole damages expert
6 battle, and often they have very little or not very
7 recent real-world negotiation experience.

8 And you would think that that would be a key
9 component of a true damages expert, not economics
10 degrees from Oxford, but I've actually negotiated these
11 licenses, and you don't find a lot of those people
12 because those people don't really want to take sides.

13 So with all that said, I think we continue to
14 feel that flexibility is crucial, and we worry about
15 over-tailoring the statutory remedies for damages, but
16 yet where -- I think that we do see that there needs to
17 be some oversight, and whether that takes place at the
18 judicial level or with some statutory fixes I think
19 remains to be seen.

20 MS. MICHEL: Okay. And, Jack, you work with
21 start ups, and why is getting damages correct important
22 to start ups? I think related to this question in this
23 context is, I'll come back to some other panelists
24 about, is why are damages, as opposed to injunction,
25 well, not more important.

1 How does the role of damages and how you value
2 your patent relate to how you value injunctions in your
3 patent, especially -- and, Bryan, I'll come back to you
4 on this -- in a business model that might depend on
5 exclusivity?

6 MR. LASERSOHN: Thank you for inviting us, first
7 of all. I'm in a slightly different position than many
8 of the panelists because I'm not a patent lawyer. I'm a
9 venture capitalist and really a business person, and I'm
10 also here not representing a single company. I'm
11 representing the National Venture Capital Association
12 and all of the venture capital community in this.

13 The simple answer to your question is that
14 damages are absolutely critical to the process of
15 venture capital funding the innovation economy. There's
16 just no other way to say it. It is one of the most
17 important components of why we have the innovation
18 economy that we have in the United States compared, for
19 example, to other parts of the world.

20 There are other reasons, but the patent law of
21 the United States, and in particular the way damages work
22 historically, the way injunctive relief has worked, has
23 been a key component. I'm sure we're going to talk
24 about this a lot more, so I won't go into a lot of
25 detail, but damages, the way you determine royalties,

1 the way you determine lost profits in appropriate cases,
2 the ability historically to have injunctive relief in
3 most cases, all of those together permit inventors, have
4 permitted inventors to capture the full economic value
5 of their inventions.

6 In turn that has allowed us as venture
7 capitalist to provide capital to those inventors to
8 develop the inventions. If you do not allow inventors
9 to capture the full economic value of their invention
10 but some hypothetical, arbitrary amount less than that,
11 which nobody has ever been able to actually adequately
12 describe, the amount of venture -- the amount of things
13 that will qualify for venture capital financing -- will
14 decrease.

15 Somebody said on the first panel there are very
16 few actual laws of economics. I agree with that. There
17 are almost no good laws of economics as we have learned
18 recently, but one of the real laws of economics is that
19 if you decrease returns, you will decrease investments.
20 I mean, that I can guarantee.

21 So the reason that damages are so critical as
22 one of the elements of the innovation system is that it
23 does, together with other components -- injunctive
24 relief I can tell you is arguably even more important in
25 many cases, and the fact that injunctive relief is less

1 available is a huge issue for us. It is a major factor
2 for us now in the way we think about funding companies
3 as compared to how we thought before eBay. But damages,
4 injunctive relief and other things are simply absolutely
5 critical.

6 Bryan made a point before, told the story about
7 his frat brother meeting with the scientist. I always
8 tell this story. I mean, my experience is that when I
9 meet an entrepreneur, there are usually three people at
10 the table. There's the entrepreneur, the business
11 person. There's a scientist and an engineer, and
12 there's a venture capitalist. There's Bob Swanson and
13 your founder. There's Bob Noyce and Arthur Rock. The
14 entire semiconductor industry was created by venture
15 capital. The entire biotechnology industry was funded
16 by venture capital.

17 And you know, then there's the venture
18 capitalists, and we talk about the -- there are two
19 pieces of paper. There's a business plan that talks
20 about the transistor and integrated circuit or splicing
21 genetic engineering or something else, and there's a
22 market and all that. And we go through all of that, and
23 inevitably, the next question is: Is there another
24 piece of paper on the table? And the other piece of
25 paper is a patent.

1 If you don't have a patent or some other way to
2 enforce your IP -- and IP broadly defined, trade secrets
3 are IPs, but we're talking about patents. As much as I
4 love the idea, my answer is 99 percent of the time going
5 to be, I can't finance that. There's just there's no
6 way to protect me from the enormous asymmetric power
7 that other competitors have in the market versus my
8 little pip-squeak start-up. I'm sorry. Some of these
9 pip-squeaks grow up to be big companies. Anyway, that's
10 what it matters to us.

11 MS. MICHEL: Thank you. Phil, why are damages
12 important to Johnson & Johnson?

13 MR. JOHNSON: First by way of introduction, and
14 maybe you know this, hopefully you're all wearing
15 Band-Aid brand adhesive strips or use baby shampoo,
16 Johnson & Johnson baby shampoo or Roc or Neutrogena or
17 some of those other consumer products of ours.

18 But actually we're much more than a consumer
19 products company. Collectively our 200 companies are
20 the largest medical device manufacturer in the world.
21 We're the largest healthcare company in the world. Our
22 companies collectively are the third or fourth largest
23 biotech company in the world and the fourth or fifth
24 largest pharmaceutical company in the world.

25 We are plaintiffs and we're defendants more or

1 less in equal numbers, but unlike many companies that
2 you hear in this debate, if you pick up our 10-K and you
3 look, we have material patent litigations that are
4 listed both as plaintiffs and as defendants.

5 We have litigated and do litigate against people
6 at this table. Some of them, Kevin, we've paid damages
7 many times the sales of our product to. Thank God
8 that's dropped off the top ten list by now.

9 MR. RHODES: Thank you. Yes, unfortunately.

10 MR. JOHNSON: But I find myself thinking about
11 our business as being very much like Jack's discussion
12 of venture capitalists. We have more products to
13 develop throughout our businesses and our different
14 industries than we can afford to fund.

15 Right now, this is a time -- and we're not
16 immune from the economic realities of what's going on.
17 This is a time when there are a lot of reasons not to
18 take risk. There are always a lot of reasons not to
19 take risks, but there are especially now a lot of
20 reasons not to take risks.

21 The patent system is the reason that we invest
22 7.7 billion dollars a year in R&D, and when we sit down,
23 we're very much like what Jack says, yes, we listen and
24 we hear about the technology too. It happens to be
25 maybe an internal team, but sometimes it's not.

1 Sometimes it's someone like Julio Palmaz who came to us
2 with the idea for the first coronary stent, or sometimes
3 it's a venture capitalist, or sometimes it's a
4 pip-squeak company that's now substantial.

5 But in any event, we're looking at a number of
6 things. We're looking at technical feasibility and
7 technical risk, and in some of our areas, especially
8 pharmaceuticals but not just pharmaceuticals, they're
9 huge risks.

10 Then we're looking of course at the ability, if
11 we go out into the market, to have exclusivity. In some
12 areas like in pharmaceuticals, if we come out with a new
13 drug, we might have five years of data exclusivity, but
14 you can't begin to finance a billion dollar drug
15 development project over 12 or 14 years on five years of
16 exclusivity.

17 So it's all about the patents, and then we look
18 at what's happened in the marketplace over the last --
19 or in the legal community. It's harder to get patents,
20 much harder to get patents, much harder to enforce
21 patents, much harder to get injunctions if you're
22 successful, and finally you come down to whether if you
23 do win, are you going to collect damages?

24 And then let's assume that you are wildly
25 successful, and after six or eight or ten years of

1 litigation you do get a judgment. There are unending
2 appeals, but not to worry, you're collecting 2.33
3 percent in post-judgment interest or for the 10 or 12
4 years beforehand you're getting prejudgment interest,
5 but we have never once collected prejudgment interest
6 that equals the average cost of our capital, which is
7 probably what you look at and what we look at.

8 It's always lower, and I'll tell you, there
9 isn't -- we've had some good wins, thank God. That's
10 why I'm here. Otherwise somebody else would be here,
11 but there isn't a single one of my business leaders, if
12 we get a good win, that would say: You know what, I'm in
13 the same place that I would have been if the
14 infringement hadn't taken place. Not a single one.

15 And now we have *Seagate*, and regardless of what
16 might have happened about enhanced damages a few years
17 ago, there are no willful infringement damages now after
18 *Seagate*. You heard it here first, but what we heard
19 this morning is right. These cases are being dismissed
20 on summary judgment in the face of deliberate copying
21 and in the face of negative opinions, in the face of
22 other things that used to be slam dunks on willfulness.

23 So what's the concern? My concern is that a
24 patent, unlike what you might think of just as an
25 investment -- to me a patent is jobs. We spend 5 to 10

1 million dollars in R&D in order to produce a patent, on
2 average. Where does that go? We're not building Taj
3 Mahal research labs. It's necessary to have research
4 labs, but R&D money is mostly jobs.

5 They're good jobs. They're jobs of Ph.D.s and
6 highly trained people and ancillary people, and they're
7 jobs, and there are a lot of jobs, and then when you get
8 a patent and if the patent is enforceable and worthy of
9 having more capital invested in it, it's more jobs, and
10 if it produces a business, it's more jobs than that, and
11 eventually one day you grow up to be Intel, like David's
12 company did or like Gary's company did, and you have a
13 real growing economy.

14 We're talking in patent damages about whether
15 we're going to put the brakes on people who might take
16 risks, and I think this is exactly the wrong time to be
17 talking about putting on the breaks. I think we ought
18 to be hitting the gas.

19 MS. MICHEL: Okay. And, Keith, why patent
20 damages are important to your company?

21 MR. AGISIM: Sure. I'm with Bank of America, a
22 very popular company these days. Despite that, I think
23 we also take a very balanced approach to patents and
24 damages in general. We do a substantial amount of
25 research and development internally, hundreds of millions

1 of dollars a year. Most people don't realize, but the bank
2 employs tens of thousands of engineers to develop the
3 technology internal to the bank.

4 So not only do we have our own IP, the bank has
5 relationships with 99 percent of the S&P 500. One in
6 two consumers have some sort of banking relationship
7 with the bank, so for us, the patent system has to both
8 work for us in our industry, but it also has to work for
9 our clients, the people that bank with us and have
10 financial relationships with us.

11 So when we look at the damages issue, you know,
12 it's an important issue, but I think it's important to
13 put in context with a lot of the things we saw this
14 morning -- in terms of forum shopping and venue and some of
15 the quality issues we have seen at the PTO and some of
16 these damages numbers we've seen. It's a holistic
17 probable with the patent system, in that damages is an
18 important and essential feature, something we'll talk
19 about more today, but it's not the entire issue. It's
20 one piece in a larger puzzle of overall patent reform
21 that's needed.

22 Let's turn to damages itself. I think we've
23 heard a lot here about needing proper incentives and
24 investments, and I think it's important to keep in mind
25 that the damages, at least as it relates to reasonable

1 royalties and lost profits, are supposed to be
2 compensatory. It's going to compensate for your harm,
3 no more, no less.

4 There are other mechanisms in the law to deal
5 with punitive damages, to try to create and modify,
6 incentivize people of certain behavior, injunctions and
7 maybe that's the place that needs to be looked at.
8 There's attorneys fees, costs and there are other
9 mechanisms within the law to deal with that, but the
10 damages themselves are supposed to be compensatory.

11 When you look at what's happening there, from
12 the bank's perspective, we see a system that's broken.
13 We saw this morning that non practicing entities on
14 average get more money in damage than competitors do.
15 That doesn't seem to make a lot of economic sense.

16 We also see -- which is a big issue for us -- is
17 that we often get sued as an end user, something that
18 someone else makes, we incorporate into online banking
19 so people can log on, not have their identify stolen.
20 We get sued on that feature.

21 The damages against the end user are substantially
22 more, and that's what the non-practicing entities go
23 after, than the manufacturers of these products, the exact
24 same technology. Again I don't think that makes a lot
25 of economic sense.

1 So you talk about what's the effect of at least
2 in our view what are large excess damage awards? Well, I
3 think we heard this morning -- I think the panel this
4 morning had a consensus that you don't see a substantial
5 increase in litigation. If people are over-compensated,
6 that's going to drive more litigation, and that's
7 exactly what we see in the financial services world.

8 A professor at Harvard Business School, the
9 professor did some studies. He found that financial
10 patents are 27 times more likely to be asserted than non-
11 financial patents. Those numbers are orders of
12 magnitude more than some of the most litigious areas of
13 patent law such as pharma and biotechnology, so we far
14 exceed the number of lawsuits.

15 If you look at growth rates for our cases in the
16 financial services world, we're two times sort of the
17 growth rate in technology, about four times the growth
18 of overall patent litigation in the United States.

19 So if you ask in terms of: Is over-compensation
20 happening? Again if you go by what the experts, the
21 economists say this morning, if there's over-
22 compensation, you'll see an increase in lawsuits. We're
23 seeing it in the financial services world. Just look at
24 the proliferation of non-practicing entities. If it
25 wasn't a viable business model or you didn't get an out-

1 sized return for it, you do something else, it's a
2 proliferation.

3 So to give more perspective, I think damages
4 law, at least as it relates to financial services is
5 broken and needs to be fixed. We talked a lot about --
6 people have talked about jobs and the role innovation
7 plays in that. I think it's important to keep in mind
8 too that with increase in cost, with increased
9 innovation, that's less products that we can introduce
10 or any company can introduce. You have a lot of over-
11 compensation.

12 That doesn't normally affect the bank, but again
13 we're an aggregator of technology. We're an end user of
14 technology. We develop our own, so that is a huge
15 cascade effect of the entire economy, thousands of
16 suppliers. If we don't bring a product to market, that
17 affects thousands of suppliers and thousands of jobs.

18 I think the other just closing remark here, the
19 last thing I would point out is that speaking about
20 banks in general, not Bank of America per se, but
21 banks -- certain capital ratio, which again is -- it's
22 something to learn about in the banking industry lately,
23 but so just as a ball park rough industry average, for
24 every dollar that gets paid to non-practicing entity,
25 that's \$10 that they can't lend out to businesses and

1 consumers to help the economy grow.

2 MS. MICHEL: I thank you all for very much for
3 giving us this perspective to understanding the
4 importance of patents in your companies.

5 We will now go to the system where I would ask
6 you to turn up your name cards if you would like to
7 answer. We talked a lot this morning about the role of
8 damages as being compensatory to put the patentee in the
9 position he would have been in had there been no
10 infringement.

11 Any comments on whether that is the goal of the
12 damages system, whether the goal stretches beyond that,
13 and if so, depending on what you think the goal is, how
14 should law approach it?

15 I'm going to take this -- Phil.

16 MR. JOHNSON: It's absolutely the goal of the
17 damages statute to simply be compensatory in the absence
18 of enhanced damages from willfulness. No question about
19 it. The debate revolves around whether or not in fact
20 it's compensatory, and I don't think that any of the
21 debates I've heard from anybody at the table, as much as
22 we've disagreed on other things, question that that's
23 the goal of damages. I even see David nodding.

24 MS. MICHEL: I wanted to start with something I
25 was hoping there would be agreement on. Jack?

1 MR. LASERSOHN: So I generally agree with that,
2 but I would add that if you go a layer below that, when
3 you say to put the -- that is compensatory, to put the
4 patent holder in the position he would have been in had
5 the infringement not occurred, that is another way to
6 look at the question of economic value; that is, what
7 economic -- what has that cost the patent holder from an
8 economic value point of view because ultimately those
9 are two sides of the exact same coin? And I think that
10 the answer to one is in fact the answer to the other.

11 They're the same answer effectively. Whether
12 you call it compensatory or some other word, that is in
13 fact what you're attempting to seek to find in both of
14 those cases.

15 MS. MICHEL: Okay. Kevin?

16 MR. RHODES: Yes. I do believe generally that
17 the goal of damages law should be to be compensatory. I
18 don't think it is. I don't think whether its lost
19 profits is determined under *Panduit* or reasonable
20 royalty under *Georgia-Pacific*, I don't think by the time
21 there's a remedy for infringement, even in the best
22 case, even in the case where the patent holder gets a
23 permanent injunction, gets lost profits for maybe some
24 kind of market-based analysis of lost profits plus a
25 reasonable royalty, you're ever put back into the

1 position as if the infringement had never occurred.

2 By the time of a final judgment and a damages
3 award and an injunction, the infringement has changed
4 the marketplace, whether it's reputational for the
5 patent holder, customer relationships, pricing structure.
6 You're never put in a fully compensatory position as if
7 the infringement had never occurred.

8 So when people talk about over compensating or
9 under compensating the patent holder, I come back to:
10 Compared to what and based on what facts? It's very
11 factually specific. I do think the goal ought to be
12 compensatory with one additional layer on that. I think
13 that we do run the risk if we take away too many
14 remedies from patent holders, so permanent injunctions,
15 decrease damages, you do lose part of the deterrent
16 affect against infringement.

17 It's something that Professor Cotter was talking
18 about this morning, especially in the context of
19 undetected infringement. Is there going to be more
20 incidents of undetected infringement if the remedies
21 available to patent holders are too low?

22 MS. MICHEL: Bryan?

23 MR. LORD: I want to touch just a little bit on
24 the over-compensation issue. It's been put forth that
25 if there's over-compensation, we'll see an increase in

1 litigation, and the logical then conclusion that we're
2 supposed to make is that: Well, therefore if there is
3 an increase in litigation, then there must be over-
4 compensation.

5 The two don't -- as all us I think as logicians
6 might know that that's not necessarily a truism. In
7 fact, there's certainly other explanations for that
8 phenomena that may be the case. One might be the fact
9 that there's more infringement. If there's more
10 infringement, there might be more litigation.

11 In fact, as we know in some industries, and
12 there's a famous situation where a Microsoft attorney
13 was found to have been instructing his internal clients
14 to say: Do not look at patents it, do not read patents.
15 In fact, ignorance is bliss is the quote that I recall.

16 Well, if that's the case, it's likely to be the
17 case that infringement increases in situations
18 where you're training your people to ignore and be
19 blissful about your ignorance of patents, so that
20 certainly is a possibility. The other possibility is
21 that we could have increases in patents which might call
22 for an increase in litigation, and in fact, we know that
23 that's been the case.

24 And frankly for all of us who believe in, as I
25 think all the panelists do, innovation, we ought to

1 celebrate the fact that we have more patents in our
2 system rather than less. We would be having a very
3 different panel discussion if we were trying to figure
4 out how to resurrect an innovation economy where there
5 was not a lot of patents being filed, so that's a good
6 thing, and we might expect then some litigation to
7 flow -- to proportionately increase with that.

8 In fact, that's the last point on a
9 proportionately case when we can look at all kinds of
10 numbers, and of course statistics can be manipulated as
11 you like, but if you actually look at the number of
12 lawsuits per patent, it has roughly been the same
13 amount -- 1.5 percent of all patents that have been
14 issued over the last 20 years have been the amount of
15 litigation that's ensued.

16 So we've seen actually a very flat amount of
17 litigation for patents that have been issued over the
18 course of the last 20 years, and that actually suggests,
19 as I think Kevin said, that we might be looking for a
20 solution in search of a problem here.

21 MS. MICHEL: Marian?

22 MS. UNDERWEISER: Thank you. What I think I've
23 heard from a lot of people on the panel are issues
24 surrounding speculation generally speaking, that what
25 people are concerned about is the ability -- I mean, to

1 answer your question, yeah, absolutely. Reasonable
2 royalties and lost profits, trying to compensate the
3 patentee, and that's what they should do. They should
4 be compensatory.

5 And I think that we're all recognizing that in
6 patent litigation, there is risk. There's risk and
7 there's cost, and so you don't want to end up having to
8 litigate because there's uncertainty associated with
9 what you end up with from either side of the equation.

10 And so part of the problem is to push the
11 disputes to be resolved before you get there. So in order
12 to do that, I think what you want to avoid is issues
13 within the context of litigation that are speculative
14 and are hypothetical and that are unknown. And that's
15 why it's helpful to have something of a more objective
16 standard, because I think that from what I'm hearing from
17 the panelists -- if we could all agree somehow upfront,
18 licensor-licensee, on what the value is and actually
19 come to an agreement to where both sides of the table
20 know that if they do end up in court, that this is where
21 the valuation is going to go, they have an idea about
22 that, they're more likely to agree up front. That would be
23 better.

24 You wouldn't worry about how do I get my
25 interest and how do I make sure that I really was

1 compensated and how do I figure out all these other
2 contingencies to make sure that I really am compensated?

3 So the point of having more objectivity is
4 avoiding that.

5 MS. MICHEL: Dave?

6 MR. SIMON: Yes. So that is precisely the
7 issue. I don't think anybody disagrees that this is
8 about adequate compensation. Sometimes the disagreement
9 is about what is adequate compensation, but we have a
10 really serious issue of you have a test that is in
11 essence a grab bag for whatever -- that frequently comes
12 pretty close to whatever a jury comes back can be
13 supported under because you can choose all, some or none
14 of those 15 factors.

15 And then the Federal Circuit has told us that
16 they won't overturn a jury verdict unless it's
17 monstrous, which creates an additional problem for the
18 District court judges who, I know they want to do
19 justice. On the other hand, I know the last thing most
20 district judges want to do is to re-try a patent case.
21 I could be wrong on that, but that's --

22 THE HONORABLE JUDGE ROBINSON: That's wrong.

23 MR. SIMON: I won't say his name, but I once had
24 a District Court Judge threaten to whip out a gun if we
25 brought the case back to him, and I know he kept one

1 under the bench.

2 But going back, the real problem is the current
3 legal system is a standard that permits just about any
4 argument in many instances, not all but many, and for
5 example, everybody was talking today about a running
6 royalty. I can tell you the least likely way to get
7 Intel to agree to a license is to come in and talk to us
8 about a running royalty.

9 Just by example, it takes us ten years to
10 develop a semiconductor process, four years to develop
11 the product for our leading edge processors. Each of
12 those represents about a 4 billion dollar investment,
13 and then we have to build plants that each involve about
14 a 3 billion dollar investment, and we are very aware
15 that -- we know where the patent damages awards are and
16 we know where they aren't.

17 They're in the United States, and it is a factor
18 that we do consider about plant exercises, where we're
19 building our plants. Notwithstanding that, we just
20 announced yesterday that we're putting up 7 billion
21 dollars worth of new plants in the United States in the
22 next two or three years.

23 But the point that I want to make is that this
24 is really -- about we make an incredibly complex product,
25 as many people do, but when we looked at it, we once

1 said -- we stopped counting at 1,500 of our own patents
2 in our product, and yet when you go to trial with this
3 grab bag of factors, the trial, as Ed Reines has said
4 this morning, is about the patent in suit.

5 You get at best, depending on the district, 40
6 to 80 hours to try the case. You're going to be talking
7 about the patent that's in suit, about the validity, the
8 infringement, the damages, and maybe you'll get to spend
9 a little bit about the atmospherics of your business,
10 but the result is you have a huge over-emphasis on that
11 patent in many instances.

12 So what you've done is you've created a huge
13 amount of uncertainty, and whether you're looking at the
14 threat of an injunction or not looking at the threat of
15 an injunction, when you're looking at the huge
16 potential damages theories, and we've had people come in
17 with 5, 10 billion dollar damages theories, you have to
18 take a step back and say, what's the rational act here.

19 The rational act is that you will try to settle
20 these things, and you will try to settle these things in
21 my view at what's -- if you really had to do a negotiated
22 a bargain between the parties of what we would have
23 paid at the time. If we had a choice to pay this much to
24 use this patent, and we almost invariably have another
25 option at the time we were doing our design decision, we

1 would have made the other option. We would not pay
2 those type of money.

3 MS. MICHEL: Okay. Taraneh?

4 MS. MAGHAME: Going back to the point of
5 compensating the patentee for damages to be
6 compensatory, I mean, one of the things that the
7 patentee does not get back is its attorneys fees, for
8 example. I mean, it's now spent millions of dollars
9 enforcing its patents and they may get a damages award
10 that some may say is too high, some may say is too low,
11 but in almost all cases it does not recoup the millions
12 of dollars it had to spend to get to that point.

13 So if you assume that that royalty that's
14 established at the end of this trial is the same as it
15 would have gotten absent a trial, then it's out of
16 pocket by quite a large amount of money, so there isn't
17 fair compensation in that instance. And going to the
18 point that was being discussed with respect to value,
19 obviously no two patents are created equal.

20 If there's a number of patents covering your
21 product, each patent will have its own contribution to
22 that product and will have its own value, and depending
23 on who you are, that patent is going to be valued
24 differently, not just in terms of a patentee versus an
25 accused infringer, but it seems like there's a lot of

1 discussion around who owns that patent.

2 If it's a NPE, does that make that patent less
3 valuable? Did less work possibly go into that patent
4 because it's now being held by an NPE? I'm not sure
5 that that's the way we should be looking at it.

6 The patents should be looked at with respect to
7 whether they're good patents, bad patents, valid,
8 invalid, infringed, not infringed. The owner of that
9 patent is not a part that equation. Now, we talk about
10 the increased litigation by NPEs and the fact that
11 they're getting these larger damages awards.

12 I think it's pretty much well accepted that
13 there's been a large number of entities that have been
14 created recently that are able to assist individual
15 inventors who, by the way, based on statistics that were
16 discussed at the last hearing, they get -- 60 percent of
17 the patents are given to individual inventors. They're
18 able to help them monetize those patents.

19 They don't have and we don't have the billions
20 of dollars to establish the types of plants that David
21 was talking about, so because you have more avenues for
22 the NPEs to be able to monetize those patents, you are
23 seeing more of those patents out there. You are seeing
24 more litigation around those patents.

25 The numbers go up. To the extent that the

1 patents are in industries where there are a large
2 volumes of products, you're going to see larger numbers
3 of products, so there's really nothing surprising about
4 the trend now. And if our goal is to say we want to
5 reduce the amount of litigation so we're not going to
6 want these NPEs to enforce those patents -- rather than
7 determining whether those are actually good patents that
8 read on these products -- that's not the right way to go,
9 and there's no over-compensation or under-compensation
10 or compensation at all. We're just basically valuing a
11 patent based on who the holder is.

12 MS. MICHEL: Okay. Jack?

13 MR. LASERSOHN: So just with respect to the
14 point about how risky litigation is, again the risks in
15 litigation are wildly asymmetric. The risk to a small
16 company is not only that it loses the actual litigation,
17 but that it never makes it through a litigation. It
18 doesn't have the money. It cannot raise money while
19 it's litigating very often, so innovator companies will
20 do almost anything to avoid litigation.

21 The obvious thing that all of our companies,
22 venture-backed companies do, and every venture capitalist
23 will tell you this, is we desperately try to negotiate
24 deals with larger companies either to acquire our
25 companies or to pay a royalty.

1 The problem is that the answer is often simply
2 no because the larger companies recognize the asymmetry
3 of market power and economic power and very often see
4 litigation as simply a competitive tool in business;
5 that is, they can afford the litigation. We can't.

6 So I think that it is not a fair -- it is not
7 fair to assume that innovators and patent holders seek
8 litigation and don't see the risks of it. We see it
9 very, very clearly.

10 MS. MICHEL: What does that mean for damages
11 law?

12 MR. LASERSOHN: Well, the point of damages is
13 that you only go to litigation if you think you can
14 recover enough damages to justify it, and so that -- I
15 mean, when we have discussions about should we litigate
16 something, the question always becomes: Is it worth it?
17 The litigation could cost \$5 million. If you're going
18 to get a million dollars worth of damages or a tiny,
19 tiny royalty stream, for example, at the end of a very
20 long and risky litigation, in many cases our answer is:
21 It's just not worth it, don't bother.

22 So damages controls the circumstances in which
23 we actually litigate, and again, to the extent that we
24 believe -- to the extent that damages are reduced, which
25 is really what we're talking about here. I mean there's

1 a lot of obfuscation about what should be and what
2 shouldn't. It's really a question of: Let's reduce
3 damages. The proposals about different standards is
4 let's reduce damage awards.

5 The effect of that is -- will be for certain to
6 reduce the amount of investment which, by the way,
7 creates jobs. 12 percent of the current employment in
8 the United States, 19 percent of the GDP, are venture-
9 backed companies. Most of the new jobs being created in
10 the United States come from small companies, not from
11 large companies, with notable exceptions. So that will
12 ultimately -- absolutely damages will ultimately affect
13 job creation and investment and innovation.

14 MS. MICHEL: Is anyone arguing that damages
15 should have a kicker, some sort of going beyond making
16 the patentee whole for these reasons?

17 Okay. I'll take that as a no. Phil, your
18 comment?

19 MR. LORD: In seriousness, unfortunately that's
20 not the context of this overall debate. You could have
21 a debate. This is part of my opening comments about
22 saying which way should be move the lever. Increase
23 awards for damages, decrease awards for damages, and
24 there would be very rationale economic justification for
25 increasing the awards for damages as well.

1 So I'll pipe up. I understand unfortunately
2 this agenda has been set in a context that says take it
3 as stipulate that damages are too high, let's figure out
4 what to do in order to reduce it, as Jack just talked
5 about, and I think that's too narrow of just a
6 description of the economic realities that we all are in
7 this innovative economy.

8 MS. MICHEL: Phil?

9 MR. JOHNSON: Ed mentioned this this morning,
10 but didn't really go into it. It's very hard to figure
11 out what's happening by looking at the cases that are
12 selected to go to trial. I mean, there are thousands of
13 cases and probably over 20,000 cases in that sample that
14 we saw this morning.

15 We have very few that actually ended up in high
16 damage awards either way. What we did see is if you're
17 a patent owner and you go to trial or you press your
18 case, you have a two-thirds chance of getting zero, and
19 then if you do win it's a little less likely than
20 average that you won't get enough to cover your
21 attorneys fees.

22 So that's not all that exciting, but there's so
23 many cases out there and so few go to trial that what's
24 happening is defendants and plaintiffs are collectively
25 deciding which ones to try. What's surprising to me is

1 that the damages numbers have stayed relatively flat
2 because over that same period of time -- well, that was
3 15 years. I think back everybody thinks about their own
4 company, our company's revenues are twice -- more than
5 twice what they were ten years ago.

6 So you would be expecting if they had grown
7 simply with the growth of business, and business has
8 grown in the last 10 or 15 years, you would be expecting
9 the amounts of the awards to go up at least in
10 proportion with the inflation or the GDP or whatever,
11 and that to me suggests that something is at work that
12 is actually diminishing the relative value of awards
13 rather than enhancing them.

14 MS. MICHEL: Keith?

15 MR. AGISIM: Thanks. I just want to respond to
16 a couple points that have been raised in this
17 discussion. The first one relates to some comments
18 about the person, the patent holder isn't relevant to the
19 damages discussion, and I think that that really
20 illustrates part of the problem, that damages are not
21 based on economic realities but this mythical
22 negotiation.

23 Defendants and defendant's economic conditions,
24 the size of the company, their profits, those are sort
25 of the favorite tactics you see from patent holders,

1 explaining why -- what one penny per unit or one penny
2 per transaction is perfectly reasonable. I think if
3 you're going to look at the economics of the defendants,
4 you also have to look at the economic position of the
5 patent holder.

6 And I think some of these start-ups that we've
7 been talking about are different than sort of the true
8 non-practicing entity. Their whole business is the
9 business of infringement. They don't want people to not
10 infringe their patents as a start-up company may.
11 Start-up company doesn't want the infringement. They
12 want to build their own market, create their company and
13 create jobs.

14 Your typical non-practicing entity wants you to
15 infringe. If you're not infringing, they go out of
16 business. So I think it's a completely different
17 dynamic that needs to really be addressed as we're
18 looking at what appropriate measure of damages are.

19 MS. MICHEL: And perhaps we should distinguish
20 between non-practicing entities who are innovators and
21 seeking to license out their technology versus patent
22 holding companies which seek to license broadly.

23 I take it your comments pertain more to patent
24 licensing company that seeks to license broadly?

25 MR. AGISIM: Yeah, I think it's very context

1 specific, but there's a whole -- there's scores and
2 scores of companies that basically go out and buy up
3 patents from bankrupt companies or individuals, and they
4 try to go and find people to assert against, so that's
5 largely what I'm talking about.

6 MS. MICHEL: All right. Oh, let's -- okay. I
7 want to move into a more substantive discussion -- I
8 didn't mean that -- a discussion of the substantive
9 legal rules is what -- but please don't take the tents
10 down, and work in any comments you want to make there,
11 but trying to understand how important lost profits
12 damages versus reasonable royalty damages are to
13 your company and whether -- let's start with lost
14 profits, you think that lost profits -- if it's
15 important in your industry and being done appropriately? Is
16 it working? Are the right kinds of damages being
17 awarded? Okay.

18 Phil? Thank you.

19 MR. JOHNSON: When I'm collecting, absolutely
20 not. No, the fact of the matter is you're talking about
21 competitor lawsuits with lost profits damages, and they
22 are always extremely important on both sides, whether
23 you're the defendant or the plaintiff, and actually as
24 we heard this morning, although they're complicated and
25 sometimes hard to prove, which means that sometimes

1 people will default over to a reasonable royalty, where
2 you can prove them, they usually are amongst the most
3 accurate of the damages.

4 Frequently you have good data from both sides of
5 the equation because the infringer will have -- one
6 thing that every business does is they keep track of how
7 much money they're making, how much profit they're
8 making with what they're doing. You frequently get a
9 good look at both sides of the equation as a result of
10 the discovery, and it isn't -- while there isn't a wild
11 disparity, margins are what they were and sales are what
12 they are, and there can be disputes over the
13 contribution.

14 But frequently I think that generally -- I mean,
15 actually generally we settle quite a few, as Judge
16 Robinson indicated, against competitors where liability
17 is clear and where the market share information is clear
18 so I think they're very important. But let me go on to
19 say that it's a rare case where you have a two-supplier
20 market, where you don't also have reasonable royalties in.
21 Because when there's a three supplier market and you're
22 suing one of your competitors or four or five or six
23 supplier market, then reasonable royalties are always a
24 component of your case.

25 And it's always a component of your case as a

1 back up because you can never be sure that your lost
2 profits case is actually going to be sustained, and you
3 give it to the jury, and if the jury decides you're not
4 entitled to lost profits, then it defaults to reasonable
5 royalty.

6 MS. MICHEL: Yeah. Gary?

7 MR. LOEB: I agree with Phil wholeheartedly that
8 in competitor situations, the last profit analysis is
9 working well. We're starting to see the lost profits
10 analysis abused a little bit in sort of non-practicing
11 entity situations where the lost profits analysis
12 becomes sort of one step removed: Well, if you had
13 entered into a license agreement back then, that would
14 have given us more legitimacy and we would have got more
15 profits as a company and could have got more investment.

16 So it's sort of this causal chain of lost
17 profits in a non competitor setting. I think that's a
18 little troublesome and should be sort of avoided, and
19 we're starting to see allegations like that, but just in
20 the general realm where you have a competitor, I think
21 everyone agrees that's sort of the heart and soul of a
22 lot of the patent disputes that we have and that you
23 need to be able to be fully compensated, whether or not
24 a reasonable royalty, lost profit, some combination of
25 both, especially in sort of a post-eBay rule.

1 MS. MICHEL: All right. And is lost profits
2 available in a three or four supplier market? Phil,
3 what's your experience with that?

4 MR. JOHNSON: Yeah. It's available but to a
5 lesser extent because you have to show that you've
6 actually lost the sales and therefore lost the profits,
7 and when there's another or several other suppliers in
8 the market, you have to deal with the issue that first
9 of all, you probably won't collect more than your market
10 share because the defendant will say: Well, if we hadn't
11 infringed, these sales would have gone to the other
12 suppliers and they would have purchased the other
13 technologies.

14 So you have to fight it out. It becomes an even
15 harder case. The more suppliers there are, the more
16 substitutes there are, the more interchangeability there
17 is, the less likely it is you end up with a good lost
18 profits case.

19 MS. MICHEL: Jack?

20 MR. LASERSOHN: Yeah, and I would add to that
21 actually, while I think lost profits works up to a
22 point, for many of our companies, they are always making
23 the transition, often during the litigation or in their
24 history, from being a non-operating quote, unquote,
25 company to being an operating company, and they're very

1 tiny, and there's always the argument: Well, you
2 couldn't have been in the business anyway for the list
3 of 15 different reasons, or as Phil just said, nobody's
4 going to -- the other competitor took your share because
5 nobody wants to buy from a pip-squeak company in the
6 sector, et cetera, et cetera.

7 So actually in our part of the world it is
8 difficult in many cases to make a lost profits case
9 stick.

10 MS. MICHEL: And in your world, do many of the
11 parties you're dealing with have products? Isn't that
12 the reason that there's no lost profits?

13 MR. LASERSOHN: I'm sorry?

14 MS. MICHEL: Do they have a product? Do you
15 need to have a product to have a lost profit?

16 MR. LASERSOHN: Yes, but you don't need just a
17 product. You have to prove but for the infringement you
18 would have sold something.

19 MS. MICHEL: Yes.

20 MR. LASERSOHN: An example would be if you're a
21 medical products company, for example, you might have a
22 product, but the defendant would say it doesn't matter,
23 the doctor won't buy from you anyway because you're a
24 pip-squeak, so there are things other than having a
25 product that you actually have to prove.

1 MS. MICHEL: Sure. My surprise was that in
2 these early stages, that the company had a product at
3 all and that lost profits did come in, but it sounds
4 like you're talking about slightly later stage companies
5 there.

6 Kevin?

7 MR. RHODES: I would just add briefly on the
8 question of recovery of lost profits in a multi-player
9 marketplace. As Phil said, it is possible to get lost
10 profits with the market based analysis, with the more
11 full analysis breaking down the competitive situation in
12 the marketplace.

13 If there are three or four competitors it can be
14 done. What we found though is sometimes markets get so
15 fragmented that you couple together the chances of
16 actually getting lost profits -- the amount of proof and
17 expert discovery that's going to entail, the detailed
18 disclosures that will require us to make on our own
19 product lines and their profitability -- at some point you
20 reach diminishing or no returns, and it's not worth
21 going for in that situation.

22 MS. MICHEL: So the issue of whether to pursue
23 lost profits is also a litigation strategy issue?

24 MR. RHODES: Indeed, and we've had cases where
25 we had a product. There was direct competition, and for

1 some of those reasons I just mentioned, we decided not
2 to go for lost profits but rather for an injunction and
3 reasonable royalty damages.

4 MS. MICHEL: Phil?

5 MR. JOHNSON: The strategy of going for
6 damages at all is frequently a litigation decision, or
7 how much time to spend more often on damages, especially
8 for defendants. If you think you have a good case on
9 the merits, many trial attorneys think that you don't
10 want to spend time standing up and putting on an
11 elaborate damages case, for fear that the jury will get
12 the idea that you think you ought to be paying something,
13 because in order to put on a damages case, you have to
14 assume that you're going to lose and then talk about how
15 much you're going to pay.

16 So many times, especially for defendants, and I
17 think Jack mentioned that this morning -- he said he
18 didn't put on damages cases. Really, what you're seeing
19 is you're seeing situations where that was a strategic
20 decision to emphasize liability, and some of the cases
21 that produce aberrant results are explainable when you
22 go back and look at it because they didn't put on
23 damages experts. They really didn't put on a damages
24 case or they didn't put on a credible damages case, very
25 abbreviated because they made a strategic decision that

1 they were going to win on liability and then were
2 surprised that they didn't.

3 MS. MICHEL: For those of you who are sometimes
4 defendants, what are your reactions to the thought --
5 Judge Robinson's comments about bifurcating? Phil? Do
6 you think that's a good idea, a bad idea? And also
7 what's your experience and how often that happens?

8 MR. JOHNSON: I think it happens more and more,
9 and I think the experience is generally good. I really
10 don't think that the plaintiffs gain all that much by
11 making a lot out of damages in a complex case.

12 I don't care what your invention is. It's very
13 complicated for the jury, and what they really don't
14 want to give up, the plaintiffs don't want to give up
15 any willfulness attributes or willfulness evidence if
16 they can avoid it, but now after *Seagate*, that's
17 frequently dismissed and not allowed during the
18 liability portion of the trial anyway.

19 So I think the biggest downside is it prolongs
20 the proceedings. If someone is a small company and/or
21 someone is hoping to collect money and doesn't want to
22 give a below market rate loan to their competitor, it
23 puts off the day of reckoning and the day of collection
24 probably by another two to four years because there will
25 be another trial.

1 There will be at least one more appeal, and it
2 will take you that much more time for you to get your
3 paycheck if you're the plaintiff, but other than that,
4 if you're talking strictly on the merits it's probably a
5 purer way to address the issue.

6 MS. MICHEL: All right. Reasonable royalties,
7 how should they be calculated? They are out there. Is
8 the hypothetical negotiation just the best of all
9 terrible alternatives or is it actually just a good
10 idea? Marian?

11 MS. UNDERWEISER: Well, I think that the
12 hypothetical negotiation model is -- as I think some of
13 the panelists discussed this morning, I think it is a
14 useful tool in certain contexts, but I think that
15 fundamentally the problem with the model is that it's
16 used as this baseline, this hypothetical negotiation,
17 and it's inherently a construct. It's inherently
18 speculative.

19 So part of the advantage of looking for a focus,
20 which was also discussed a lot this morning. If
21 something -- again as a starting point but looking for a
22 focus to the invention, what is really the economic
23 value of the invention, and to focus on that first -
24 instead of trying to reconstruct this kind of
25 hypothetical environment -- is that you're really more

1 focused on the substance of what was contributed just to
2 start with.

3 So I think the inquiry gets lost in the context,
4 and it doesn't mean that the contextual issues are not
5 important or that they won't affect the royalty
6 calculation, but if you can look at the invention to
7 start with, you can use that to help you with these
8 other tools, all right.

9 So if you had, for example, a question about non-
10 infringing alternatives, something that was discussed
11 this morning, well, won't it help guide the fact-finder
12 to understand in the first instance what that invention
13 is? What am I focused on here? What am I supposed to
14 be focused on? If I know what the invention is, then I
15 ought to be able to value this compared to what that
16 closest non-infringing alternative is.

17 And I could give a mechanical example. I mean,
18 if you have -- if you have a device that I would call a
19 separable device, right, so let's say you have an
20 invention where -- you have an invention for use in any
21 kind of vending device, right, so it could be soda
22 machines or it could be washing machines or it could be
23 anything where somebody puts money in and something
24 happens.

25 If your invention is separable to that

1 component, you have created a new device that takes
2 bills instead of just coins, then you can compare that
3 to other purely coin operated devices that could be used
4 in lots more machines.

5 If you have instead an invention that actually
6 makes the washing machine run differently, right,
7 actually makes one of these tools run in a different
8 way, well now I can pay by the minute or I can pay for
9 an hour or something like that, you've changed the
10 operation of this machine, and now you may want to
11 consider: Well, okay, maybe if I am looking for a non
12 infringing alternative, I have to look at a different
13 product, but by starting with something substantive like
14 that, you can use some of these other tools to figure
15 out how to calculate a royalty.

16 MS. MICHEL: Okay. Dave?

17 MR. SIMON: So from my view, the hypothetical
18 royalty negotiation frequently is used as a tool for
19 somebody to get in economics that they otherwise
20 couldn't get in because they literally make it up saying
21 this is the way we would negotiate it.

22 For example, there are some, I'll try to dignify
23 it as much as possible, pseudo-academic publications for
24 damages experts where they've tried to go out and
25 collect industry data and say, Here are the typical

1 royalty rates in these industries. Now, first of all,
2 it's very hard to figure out that the industries are
3 because let's just say there's a big difference between
4 Bose's headphones or Bose's loud speakers and Intel
5 microprocessors, but nonetheless, I think they get
6 lumped into the same place.

7 In addition to which, when you read the articles
8 carefully, they say, Well, a lot of these things -- it's a
9 little hard to say what the real number is because
10 there's floors and there's ceilings. Now, a 5 percent
11 royalty where you have a ceiling of a million dollars a
12 year is a big difference from a 5 percent royalty where
13 there is no ceiling.

14 So as a result, a lot of this is used as a
15 way -- as a vehicle in my view to get stuff in that
16 really has very little bearing in the industry. We keep
17 hearing about the royalty base and the running -- and
18 what percentage to apply to the damages. That's not the
19 way we negotiate licenses at Intel.

20 Our view is it's an inappropriate way to deal
21 with it in our business, so as a result, it's a very
22 different -- it's a very different model. Yet everybody
23 uses this as a vehicle to try to say it would have been
24 a running royalty rate.

25 MS. MICHEL: The alternative being a lump sum?

1 MR. SIMON: The alternative presumably being a
2 lump sum. What was the value of this at the time we
3 made the decision and balancing the risks of using that
4 approach to the other approaches that were available to
5 us. It's rare that in our industry there's only way to
6 do something.

7 MS. MICHEL: How successful is that as a
8 litigation tactic to say in the hypothetical world, we
9 would have only ever paid lump sums, so let's talk about
10 that?

11 MR. SIMON: We have yet to figure that out.

12 MS. MICHEL: That means it hasn't worked yet.

13 MR. SIMON: It hasn't worked and it hasn't not
14 worked.

15 MS. MICHEL: Okay. Got it. Keith?

16 MR. AGISIM: Thanks. I think the hypothetical
17 negotiation can work. Obviously I don't think it's a
18 one size fits all solution. It's really very context
19 specific.

20 There's one aspect of it I wanted to comment on
21 is the hypothetical negotiation is supposed to occur the
22 day before infringement begins. So there's an artificial
23 construct, and I think -- and again the day before
24 infringement begins, most company's marketing department
25 have sort of grandiose visions of the world. Otherwise

1 it wouldn't launch these products.

2 I think once place where it falls down is I
3 don't think there's enough clear rules around again, what
4 really happened, right? It's not just artificial day
5 before infringement, but real world, what happened?
6 There should be more analysis, more reliance on actual
7 economics of what occurred during infringement.

8 As we heard this morning there's enough
9 assumptions, enough hypothetical and theoreticals built
10 into these damages models from the experts as it is, that
11 to the extent real data does exist, I think that's
12 something important to factor into these analysis.

13 MS. MICHEL: Gary?

14 MR. LOEB: I just want to go back to a few of
15 the comments that I've heard on sort of the reasonable
16 royalty analysis and the hypothetical negotiation. It
17 is inherently speculative, but I haven't heard an
18 alternative that is any better, and I think that this
19 concept of what is an invention, what is the invention
20 really or the inherent contribution or what are the
21 essential features of the invention or product, creates
22 sort of a mini patent office review procedure in the
23 middle of a trial or court proceeding that is largely
24 going to be how well does the invention translate or
25 inspire a layperson or a judge to think: Oh, that was a

1 really cool idea.

2 And it's not going to be any less, or any fairer
3 to sort of go down that approach. It essentially
4 creates a mini grading system of it is a grade A patent,
5 this is a grade B patent, this is a grade C patent. And
6 if we wanted to do that, by sort of saying well this
7 invention has two essential features or this invention
8 has three essential features, all of which are embodied
9 in the product, I think that's a dangerous path to start
10 going down.

11 I think the reasonable royalty in the
12 *Georgia-Pacific* analysis allows you to take in the
13 entire range of factors and doesn't try and distill the
14 invention in a way that might -- that I think doesn't
15 necessarily give it the force that it deserves.

16 And I guess I want to make one point about the
17 aberrant awards where you have an invention that's a
18 very small piece of a larger product and the fear that
19 that's going to really create a huge reward because
20 defendants aren't allowed to spend much time talking
21 about their product, and I think that's a very real
22 concern.

23 I think that sometimes the defendants end up
24 talking a lot about their product in the context of
25 secondary considerations of non-obviousness and sort of

1 the commercial success of their product with respect to
2 their own patents or to be able to sort of talk about
3 those types of things, if they are a practicing entity
4 of their own patents, and sometimes they're then able to
5 present a lot of evidence on their own infringing
6 product, but it's the rare case that that happens.

7 So then you can end up with these situations
8 where you have aberrant awards, but it's just the
9 ability to make sure that that issue is properly vetted
10 to make sure the reasonable royalty analysis works. And
11 I guess I want to sort of raise a question with respect
12 to sort of a company like Intel that has enough money
13 that you could always do a net present value analysis
14 where if the reasonable royalty is low enough, it's
15 going to be exactly identical to you from a cash basis
16 as a lump sum.

17 Maybe it's a really low reasonable royalty.
18 Maybe it's one that you're embarrassed to say before a
19 jury, which is .000015 percent or something like that,
20 and maybe that's the problem with why you're saying it's
21 a non-starter, but you always have both royalty base and
22 royalty rate.

23 So it doesn't seem to make sense that -- all a
24 lump sum is doing is sort of saying the royalty rate
25 here is so low that is it worth the transactional effort

1 of keeping track? But it always seems like there's some
2 rate that could approximate whatever that lump sum is
3 going to be.

4 MS. MICHEL: Do you want to respond, Dave?

5 MR. SIMON: Okay. So by the way, as part of my
6 response, I disagree with the statement that you make
7 that there aren't grade A, B or C patents in terms of
8 economic value. I think absolutely there are clearly
9 patents that are more valuable and patents that are less
10 valuable.

11 In terms of what -- the reason why I say it
12 doesn't make sense to take a running royalty is we look
13 at it as -- there are a couple of different -- in many
14 instances we have lots of options of how we're going to
15 do something, okay. There are benefits for using a
16 technique and there are disadvantages of using a
17 technique in almost every single case.

18 They're going to get relative performance for
19 certain things and not for other things, and we're
20 hoping that we're going to project four years out when
21 we do these designs decisions, that we're going to guess
22 for the right place for the market, and we haven't
23 always guessed right.

24 That's the way we're looking at it, and if
25 somebody comes up and says, I want -- let's take the

1 example of the Microsoft versus AT&T. That 1.52 billion
2 dollar judgment, and let's not forget that .02 there
3 because that's 20 million bucks, was a .5 percent
4 royalty rate for a decoder, one of several decoders
5 actually. There's two decoders, one of which didn't work.

6 And if Microsoft had been presented a choice of
7 you can use this decoder and pay a .5 percent running
8 royalty on PC sales, which is what that was, or not use
9 it, it's really simple. We won't use it. We don't need
10 it. There were other ways to do that decoding.

11 From our standpoint we look at these things, and
12 if you tell us it's going to cost us .5 percent running
13 royalty or .1 percent running royalty, almost invariably
14 there's a cheaper choice. That's why running royalties
15 don't make sense typically in our business because
16 there's almost always another choice of what we can do.

17 There may be -- they may not be quite as good.
18 They may have certain other -- they may have certain
19 disadvantages. They may have certain advantages, but
20 the idea that we would say, we are going to take a
21 revenue stream on a product that literally has, like the
22 Supreme Court has said, thousands of patents in it to
23 any one patent just doesn't make sense to the business.

24 MR. ADKINSON: Bryan?

25 MR. LOEB: I think another thing that we have

1 sort of stipulated to in this discussion and sort of
2 overlooked when we talked just about damages is the fact
3 that if we're at damages, we have concluded that
4 infringement has occurred, and we ought not simply
5 overlook that fact.

6 Infringement is not supposed to occur. We're
7 supposed to have a system that actually disincentivizes
8 infringement from occurring, and when it does, then have
9 certain circumstances that we have spent a lot of time
10 talking about here to address that situation, but I
11 think we have a public policy arena, and I think we're
12 all in agreement with this, that we're supposed to be
13 driving towards, first of all, compliance with the
14 intellectual property laws and working towards non
15 infringement and then dealing with cases after the fact
16 when that happens.

17 I thought about this, thought about today's
18 presentation actually when I was getting a cup of coffee
19 this morning, and if you think about the
20 preposterousness of this objective standard and the
21 outcome of that, I would love it if I had walked into
22 Starbucks today and I had taken a sip of coffee, and
23 they said to me: Excuse me, sir, but that's 3.95 for
24 your cup of coffee. And I said, Well, it's just water
25 and beans, there's really nothing in it, that's all

1 you've done is really put water and beans into this cup,
2 I think it's worth about a nickel.

3 And they said, No, it's worth 3.95, and I say
4 it's a nickel, and then I say, I'll tell you what, how
5 about if we find somebody else to try and come up with
6 an objective standard for what this thing is worth?

7 Somewhere I guess in between perhaps is the
8 answer, but at the end of the day, Starbucks should have
9 the right to say, You don't get that cup of coffee.
10 It's up to you whether you want to walk into my store,
11 drink the cup of coffee or not, and I think it's the
12 same argument about infringement.

13 We ought to start with a public policy regime
14 that says don't infringe, and if you do, then we'll find
15 out a way to reconcile the differences between the
16 parties.

17 MR. ADKINSON: Jack?

18 MR. LASERSOHN: Yeah. I think that in the final
19 analysis, the search in all of these conversations for
20 damages is ultimately to find the economic value. I
21 think that is really what is going on.

22 My impression of the function of the
23 hypothetical negotiation is to put a process in place
24 for the jury to actually find that economic value.
25 That's what the -- that's what the hypothetical

1 negotiation is all about.

2 It says: Okay, we want to find the economic
3 value and the jury says, Well, how, and you say, imagine
4 that you were negotiating at the time, what would you
5 have agreed on? That is the economic value, and the
6 answer then is, well, what should I consider, and then
7 they pull out *Georgia-Pacific* and their 15 different
8 thing you should consider.

9 Well, as a famous physicist once said, you said
10 simplify things as much as possible but no more, and
11 unfortunately, this is complicated. Every single
12 company in our portfolio has a different situation.
13 Every single competitor is different. Every environment
14 is different.

15 We heard this morning that in the Wal-Mart case
16 where they cut the price by 75 percent, and so the
17 actual royalties were greater than the selling price.
18 There are models, business models now where people give
19 away software for nothing in order to collect a service
20 fee.

21 So every single -- Intel doesn't want to pay a
22 running royalty, okay. That would have been part of
23 that hypothetical negotiation. We will under no
24 circumstances pay a running royalty. Well, if everyone
25 else pays a running royalty, that may or may not have

1 been persuasive as an argument.

2 I just don't see how if the ultimate search is
3 to find the economic value that you can simplify that to
4 some formalistic approach. It is complicated, and the
5 hypothetical negotiation, at least to me, when I again
6 as a non-lawyer think about it from a common sense
7 approach, how would I do that, I would say: Well,
8 imagine you were negotiating. And that's in fact as I
9 understand it what the law is.

10 MR. ADKINSON: Taraneh?

11 MS. MAGHAME: I think Jack said about 80 percent
12 of what I was going to say, is that the whole
13 hypothetical negotiation needs some parameters. After
14 all, it is what one side is willing to pay and one side
15 is willing to take.

16 So David's point about what he is willing to pay
17 comes into play in the hypothetical negotiation
18 situation, and all these other factors, the
19 *Georgia-Pacific* factors also come into play because the
20 ultimate goal is to determine economic value, and
21 there's no reason why that economic value can't be put
22 into a lump sum royalty context.

23 It doesn't have to be a running royalty. The
24 parties could agree that this could be a lump sum
25 royalty, so saying that we're not going to pay running

1 royalties so we can't use these factors, I guess if
2 that's what I heard, is -- they don't go together,
3 because you could really come up with an economic value
4 that's a lump sum royalty that fits into this
5 hypothetical negotiation context.

6 MS. MICHEL: If the overwhelming consideration
7 of a company in the hypothetical negotiation is the cost
8 of alternatives, should that -- that should be taken
9 into account though?

10 MS. MAGHAME: Yeah, that would be one factor
11 that's taken into account, the alternative, the
12 commercial success of that alternative versus what you
13 actually ended up using, but we can't lose sight of the
14 fact that this company has been infringing these patents
15 as Bryan was saying for a number of years, and we can't
16 just turn the clock back and say: Okay, well I would
17 have chosen something else, so I'm going to set the
18 value on this.

19 They did choose to infringe. Whether knowingly
20 or unknowingly is not the issue, but there is that fact
21 that we need to take care of and then we need to take
22 care of the going forward part of it at that point.

23 The fact that injunctions may no longer be
24 available in a lot of instances complicates that part of
25 it even more because now we're talking about the

1 possibility of compulsory licensing, what kind of rates
2 do you set for a compulsory licensing type scenario.

3 Courts have not decided that yet. We've seen I
4 think one or two instances where they've tried to do it,
5 but it's even more difficult to set a reasonable royalty
6 going forward now because of things that we discussed
7 this morning in terms of changes in the economics, but
8 at least in that respect, you know what's happened in
9 the past.

10 If you can -- if you need the flexibility to do
11 a market based evaluation, and the *Georgia-Pacific*
12 factors with possibly further guidance from the Court,
13 allow you that flexibility.

14 MR. ADKINSON: Marian?

15 MS. UNDERWEISER: Thank you. I'll respond to
16 some extent to what was said before about looking at an
17 objective standard like the one that IBM is proposing to
18 use, the standard in *Quanta*, the economic value of the
19 essential features of an invention.

20 The first thing that I want to say is we
21 can't -- I don't think we can give up on some level of
22 objectivity, some level of public notice, essentially
23 because otherwise we don't promote the ability licensors
24 and licensees to be able to efficiently agree in a
25 licensing negotiation. But more importantly, I think I

1 should explain a little bit better why the analysis in
2 *Quanta* was relevant and what the Court was doing there
3 because the Court was making a real-world economic
4 decision.

5 The court was looking at a situation where a
6 product was sold and asking the question of whether that
7 product sale exhausted the patentee's rights. What does
8 that mean? That means once the patent is exhausted, the
9 patentee can't assert the patent anymore against that
10 product, so against downstream buyers or users of the
11 product, it can't be asserted anymore.

12 So the Court's making a decision about the scope
13 of the patent right with respect to the product that's
14 being sold and it has a complicated problem. It's a
15 product that had certain characteristics that -- a
16 microchip is sold. Does it exhaust a system covering a
17 system that includes -- it's a component system but it
18 includes standard and common items.

19 So the question the Court was answering was
20 whether or not this sold product embodies the essential
21 features of the invention, and it's a value question.
22 Was the patentee fully compensated for that patent when
23 that product was sold? That's the question, so if the
24 patentee was fully compensated, that's a good way to see
25 where the economic value of the invention is.

1 The other thing I should point out here is that
2 the Court recognized in response to an argument by the
3 patentee that this is a standard that is substantive.
4 It's based on the type of invention. It's not just a
5 one-dimensional analysis. When faced with an invention
6 the patentee raised the issue of the Aro case, where
7 the Court was evaluating an invention that was a
8 combination invention you could call it, where all of
9 the elements of the invention may have been in the prior
10 art, and the inventiveness was in the combination.

11 And the Court said: Well, that's not going to be
12 subject to the same analysis. There the invention is in
13 the combination, I can't break that up, so the Court's
14 recognizing that there are these different situations
15 that can be encompassed by this, that the Court can make
16 a substantive analysis of the invention, that the
17 Court's going to have to do that if it's faced with this
18 issue, and that the Court expects the marketplace to be
19 able to cope with this and to be able to read the
20 characteristics of a product and understand how it
21 relates to what this invention is.

22 MS. MICHEL: Is your *Quanta* argument that even
23 where the claim is to the whole computer, if the
24 inventive feature of the patent, the reason the patent
25 office issued it is encompassed in the chip, we just

1 have to worry about compensating -- coming up with
2 damages based on the chip?

3 MS. UNDERWEISER: Yeah, sure. That's part of
4 it. That's part of the concept here -- how do I focus
5 on what's going on, and part of it is absolutely to make
6 a substantive evaluation of that claim, so if inventor
7 has come up with a significant invention, then
8 regardless of whether they claim it very precisely or
9 expansively to include standard or unrelated components,
10 that patentee should still be compensated with
11 significant royalties, whereas if an inventor comes up
12 with a minor improvement, that inventor should -- would
13 more appropriately be rewarded with limited royalties
14 regardless of whether the invention is claimed precisely
15 or expansively.

16 MR. ADKINSON: Kevin?

17 MR. RHODES: Yes. Well, Jack captured my first
18 point better than I ever could have hoped to have, and
19 that is the idea that there is this objective standard
20 of economic value and this entirely subjective set of
21 *Georgia-Pacific* factors, and they aren't both trying to
22 get to the same result is not accurate.

23 The *Georgia-Pacific* factors are trying to
24 replicate what type of dynamic there would be between
25 the patent holder and one wanting to use the patented

1 invention, presuming willingness on each side, and it
2 does mirror a lot of the considerations that take place
3 in actual licensing negotiations, so I think it does
4 provide the flexibility and the grounding and economic
5 reality that one needs to do a proper damages analysis.

6 Further to that, the idea that the economic
7 value is more objective I don't think is realistic, and
8 we're still talking here about an inherently adversarial
9 process by the time we get to litigation. We're not
10 going to get the plaintiff and defendant sitting down
11 agreeing on what the economic value is.

12 They're each going to hire experts. They're
13 both going to come up with different evaluations of what
14 the economic value is, and then it's going to be up to
15 the jury or judge to decide, so which type of framework
16 do we want that adversarial process to proceed under?
17 One that has a host of factors that replicate real world
18 licensing negotiations, including perhaps, if the
19 defendant or the plaintiff, whichever side you're on,
20 does not believe in running royalties, or do we have one
21 that's been boiled down to a single factor?

22 I should point out that economic value is
23 embodied in a number of the *Georgia-Pacific* factors. I
24 think number 9 off the top of my head is the patented
25 invention as compared to earlier or prior products and

1 what the added benefit is, so it's flexible enough to
2 deal with that, but it doesn't constrain the analysis.

3

4 Now, I said at the outset that I was balanced,
5 and I did find a point of agreement with my neighboring
6 table here. I do think there is room for improvement on
7 these industry comparables that David was talking about
8 or the rules of thumb that we talked about this morning.

9 I think to the extent we're divorcing the
10 damages analysis from the facts of a particular case and
11 trying to rely on these rules of thumb or comparables or
12 the like, I do think the courts could help judges and
13 juries or the courts could help juries in that analysis.

14 I do, however, think that the tools are there.
15 I think Rule 702 of the Federal Rules of Evidence, I
16 think *Daubert* give the courts the tools to do that. I
17 know there's been some legislative proposals on
18 gatekeeper. I think legislation could help on the
19 gatekeeping function, although the point was made this
20 morning, with which I agree, legislation is a blunt
21 instrument. Look at Section 284 of the damages laws
22 right now, it's very general.

23 Intentionally we have decades of case law and
24 decades of fact patterns that we need to tailor,
25 decisions, common-law development of tort, and I think

1 that's the preferable way to do it. I don't think
2 legislation can encompass all the different fact
3 patterns you get with different industries, different
4 business models of monetizing IP.

5 MR. ADKINSON: Well, let me press you and Jack
6 on one item here. This morning, there was pretty broad
7 agreement on the panel that the *Georgia-Pacific* factors
8 were well as considerations, even for negotiations, but
9 that throwing them before a jury was the problem, that
10 it just enabled the jury -- could support any decision
11 the jury would get to.

12 So that in the right hands they could be useful
13 tools, but are they good litigation tools for a jury
14 trial?

15 MR. RHODES: With all due respect to Judge
16 Robinson, I do think there's a role for the Court as a
17 gatekeeper in that process. I think that by way of
18 careful analysis of motions in limine, really working
19 through the factors perhaps at the charge conference,
20 the *Georgia-Pacific* factors that go to the jury should
21 mirror what the evidence was that was presented at
22 trial.

23 So I do recognize there could be a problem if 15
24 factors are presented to the jury. It's not clear which
25 are really supported by the evidence, which aren't, and

1 I think that judges can help juries in that regard.

2 MR. ADKINSON: Jack, I'm going to give you -

3 MR. LASERSON: I completely agree with that.

4 NVCA has supported the gatekeeper -- expanding and
5 redefining some of the gatekeeper functions as well, but
6 the question is: What's the alternative? And it isn't
7 at all obvious to me that an even more obscure
8 alternative would actually help the jury more.

9 I mean, I have to be careful how I say this, but
10 the problem in, for example a case, as I see it, of
11 *Lucent* for example, is that juries are mathematically
12 challenged. In granting a half a percent royalty, they
13 in fact thought they were granting an incredibly tiny
14 little royalty.

15 In other words, they got the principle right,
16 which is that this is a tiny little component. There
17 were lots of alternatives, et cetera. To them a half a
18 percent was a little, teeny-tiny royalty, when in fact
19 it should have been ten to the minus 18th, and that's
20 not -- that's just beyond --that's a fundamental problem
21 I think with the jury system.

22 But what the alternative is, which is to say
23 economic value of the essential feature? I mean, I
24 think the results would be even worse. You need to have
25 more control over the juries, which *Georgia-Pacific*

1 attempts to do, say, Look, here are a check list of
2 things you really should consider as opposed to one very
3 broad and I think completely obscure formalistic
4 approach.

5 MR. ADKINSON: This morning we had the question
6 that a decimal point could mean the difference between a
7 \$10 million award and \$100 million award.

8 MR. LASERSOHN: Good luck explaining that.

9 MR. ADKINSON: Taraneh?

10 MS. MAGHAME: Yes. Well, I just raised that.
11 There were other people in front of me.

12 MR. SIMON: So just responding back. I mean,
13 there are a couple things that people tend to forget
14 about *Georgia-Pacific*. Judge Ron White from the
15 Northern District of California was on a panel with me a
16 few years back. I forget whether it was at the ABA or
17 AIPLA and he just said, Look, this is one case,
18 *Georgia-Pacific*, and it's dealing with a very specific
19 product. Yet this is something that for whatever reason
20 has come to be used, and I frankly don't find it very
21 helpful.

22 I'm paraphrasing. I'm apologizing, but that was
23 in essence what the judge said, in addition to which
24 everybody loves to talk about how *Georgia-Pacific* has
25 all these factors. Everybody forgets that the Second

1 Circuit actually reversed and vacated the District Court
2 decision because it was a judge decision. In reaching
3 that decision the district court forgot to allow the
4 fact that the plaintiff -- or the defendant, the accused
5 infringer, would in fact in any reasonable negotiation
6 have ended up with a profit.

7 And the District Court had allocated all the
8 profit to the plaintiff, and the Second Circuit said,
9 That's wrong. The Federal Circuit by the way glances
10 over that point too. They have repeatedly said that's
11 not the guidepost for us.

12 So as a result we've moved away from what
13 originally had some economic underpinning to something
14 that now is in my view slanted the table very much in a
15 compensation -- in the we must compensate factor.

16 And I think we need to really look at this is
17 supposed to -- this is a business tort. It's about
18 value. It's about economics. We heard I think all the
19 economists say these don't really help us very much. We
20 can use them to reach almost any result. That's a
21 fundamental problem that I think we need to rethink what
22 we're doing.

23 MR. ADKINSON: Phil, how about you?

24 MR. JOHNSON: We negotiate hundreds of licenses
25 a year, and when we sit down to negotiate, we use

1 methodologies that are very much like the
2 *Georgia-Pacific* factors. We don't call them
3 *Georgia-Pacific* factors. Our business people are
4 looking to what it would cost to pay. We both pay.

5 We pay hundreds of millions of dollars in
6 licenses, license fees to others, and we collect quite a
7 bit as well, but when we sit down, we are looking at
8 those factors that are mentioned in *Georgia-Pacific*.

9 To us, the hypothetical negotiation is a good
10 proxy for what business people do when they sit down and
11 negotiate. I agree with Kevin in the situation, and I
12 think that the situations are so varied that it would be
13 impossible for anybody to come up with a single rule
14 that would specify what the appropriate royalty would be
15 in any given context because of variations in
16 technology, risk, marketplace, marketplace variation,
17 regulation, a whole bunch of issues, many of which were
18 mentioned this morning.

19 To me the biggest concern about the people who
20 are proposing a simplified rule is that as part of that,
21 they would wish to preclude the other side, whichever
22 side they're on, from presenting what they think fair
23 damages are from their standpoint, and there isn't just
24 one view of it.

25 Yes, I agree, David should be able to go in in

1 his cases and explain why a lump sum royalty for a given
2 feature is the appropriate approach and why he had
3 alternatives at the time in the benchmark time period
4 and in the hypothetical negotiation when presented with
5 the feature which is the subject of the dispute. He
6 should be able to say: Had we had a negotiation at that
7 time, rather than pay you more than X as a lump sum, I
8 would have done something else.

9 I think that's entirely appropriate, but if the
10 other side wants to come in and say: No, you wouldn't
11 because here's what your chairman said at an analyst
12 meeting about how they would beg, borrow or steal in
13 order to get this feature into your chip, they ought to
14 be allowed to do that.

15 MR. ADKINSON: If it's a question of putting in
16 what they view as comparable patents and the royalty rates
17 associated with them, should there be any restrictions
18 on that?

19 MR. JOHNSON: To me every invention is unique
20 and every situation is unique so I have a lot of
21 sympathy for people who are objecting to industry
22 standard rates or rules of thumb or the like without an
23 awful lot of foundation, and I do think that here's
24 where the judges can be of assistance because they can
25 hear the motions to exclude during the trial and make

1 either -- exclude it from evidence or give cautionary
2 instructions or work on the jury instructions because
3 they may have little or no weight in many situations,
4 but in some situations where there's a regular and
5 established royalty perhaps they do have weight, so it's
6 a touchy area, but I have -- I have sympathy for that.

7 MS. MICHEL: Marian?

8 MS. UNDERWEISER: Thank you. One thing I want
9 to clarify is that when I talk about using a standard
10 like the economic value of the essential features, it's
11 not meant to be the only factor that a court would
12 consider, right, but it informs the analysis of damages.
13 It doesn't dictate its complete valuation.

14 That said, I think we could all agree that what
15 the inventor -- what the patentee should really be
16 compensated for is the value that's added by the patent.
17 That's really substantively the fair and the correct
18 answer, and in looking at a substantive test, using that
19 to focus the initial context of the inquiry, rather than
20 saying that the most important thing about my damages
21 inquiry is the hypothetical negotiation, by trying to
22 refocus the court on what was invented, you're looking
23 at a substantive question that should not be obscure to
24 the court.

25 What could be less obscure or relevant than

1 asking what was the value or what did the inventor
2 really do? What is the substance of what was
3 contributed by the inventor? So I think that while a
4 lot of these other considerations that exist in the case
5 law are absolutely still relevant to the analysis, it
6 doesn't mean that you lose focus on the invention.

7 Now, that said, because there are other relevant
8 factors, and I think a little while ago we started
9 talking about I guess what I would call judicial
10 management. Damages is a complex question, so while we
11 would like the standard to provide guidance and
12 licensing, it's also recognized that as you go through
13 the process, there is a lot of relevant evidence.
14 There's a lot of evidence that both parties are going to
15 want to present.

16 And there was a recent case, recent *Cornell*
17 *v. HP* case where Judge Rader was ruling on a motion
18 in limine actually, so a lot of what we're talking about
19 in terms of really good judicial management, and in this
20 case he was excluding evidence relating to EMVR because
21 it wasn't sufficient. He didn't meet the right
22 threshold.

23 And I think it is important with all of the
24 possible factual evidence that comes in for the
25 judges -- for a judge to be disciplined in that regard

1 for a couple reasons, one of which is it helps the jury.
2 It helps the fact finder, but the other reason is that
3 it provides a certain level of public notice.

4 If the judge actually rules on the record
5 regarding what works or doesn't work in terms of
6 admissibility of evidence, then again this is another
7 piece of guidance for patentees and licensees, so you
8 can say, okay, I understand. I understand what works
9 and what doesn't work in this context so I think that
10 would be a very helpful thing to encourage.

11 MR. ADKINSON: Gary?

12 MR. LOEB: I have three quick points hopefully.
13 One, I agree with Dave on one thing that there's lots
14 of instances where Genentech doesn't want to take
15 running royalties either. One of the key ones of those
16 is research tools where our actual product doesn't
17 practice the patent, and that's the thing I mentioned in
18 my opening comments about reach-through royalties and
19 reach-through claims.

20 The ability to get -- reach the royalties is
21 something that's now just sort of bubbling up the system
22 with respect to biotech and pharma. Reach-through
23 claims are an issue of what is patentable, and I think
24 that that's -- I think that a little bit of what I hear
25 from Marian and Dave is the tail wagging the dog with

1 respect to: Well, maybe there's bad or less significant
2 patents and so let's change the amounts that people can
3 get for all patents because there's some bad seeds out
4 there.

5 And I think if you're really going to go down
6 that path, the way to deal with it is to look at what
7 claims are being allowed and issued, and maybe you
8 shouldn't get a claim covering the entire product if all
9 you did was make single change to a decoder, and maybe
10 the problems -- so my second point is maybe the problem
11 with 1.52 billion dollar damages award isn't maybe the
12 royalty rate but the royalty base.

13 Maybe you should have looked at hypothetically
14 what the decoder would have sold for, not what the
15 computer or the software program or whatever else would
16 have sold for. So it involves more involvement of the
17 judge to be flexible on what the appropriate royalty
18 base is, but it's much more feasible than asking a judge
19 to look at whether an invention was minor, significant
20 or essential.

21 I mean, some of our most important invention
22 also involve four nucleotide changes to the variable
23 region of a heavy chain of an immunoglobulin, and for
24 inventions that aren't accessible to -- judge's,
25 they're using computers these days so they largely get

1 that technology. They have to come up to speed on
2 biotech in the course of a case, but patents are
3 presumed to be valid, and they're looking at very
4 specific issues of enablement and written description
5 and obviousness in light of what was done previously,
6 but they're not in a position to say: Oh, this was
7 really a big leap over what was there before.

8 That's the reason why most patent examiners in
9 the biotech field have Ph.D.s in the area, and they're
10 flawed. The patent office is flawed, but to ask a judge
11 or a jury to go down that path in addition to all the
12 other things they have to do in evaluating a patent I
13 think is really inviting mischief.

14 MR. ADKINSON: What do you suggest trying to
15 figure out the value of the decoder? Is that similar to
16 what you're talking about in trying to figure out the
17 value of the specific invention?

18 MR. LOEB: It was the decoder -- I'm not
19 familiar with the patent in the *Lucent* case, but it was
20 a patent involving a decoder.

21 MR. SIMON: It was a patent involving a decoder
22 of audio information.

23 MR. LOEB: Right, so you would look at a royalty
24 base of what does the decoder sell for, and then maybe
25 you get .5 percent of the value of the decoder. I mean,

1 and maybe the jury should never see the bigger sales,
2 and unfortunately that's maybe a *Daubert* issue, which we
3 don't necessarily want to deal with, or maybe it's just
4 an evidence 702 issue or whatever it is, but I don't
5 think that putting the judges in the position of trying
6 to reevaluate how much of a leap this invention is is a
7 good use of judicial resources.

8 MS. MICHEL: How do you identify the economic
9 value of the invention without thinking about how
10 significant the invention was? Gary, do you understand
11 my question? If part of the goal here is to decide what
12 the economic value of the invention is and to
13 compensate, doesn't it matter whether this is a minor
14 advance with several alternatives or a major advance
15 with no alternatives? No, why? Phil? No, I went to
16 Gary? No.

17 MR. JOHNSON: Because some of the greatest
18 technological advances are commercially valueless and
19 some of the most valuable from an economic standpoint
20 advances may not rise to the -- obviously to be
21 patentable, they have to meet the patentability
22 standards, but they may not be valuable in comparison to
23 the technical advance that they represent because think
24 about I don't know, gene splicing, when it happened it
25 was scientifically fabulous and commercially valueless

1 for a long, long time.

2 Other things are very small advances that put
3 some technology or a product over the top to make them
4 fabulously valuable.

5 MS. MICHEL: That would be an economically
6 valuable patent then?

7 MR. JOHNSON: Yeah.

8 MS. MICHEL: The gene slicing, an example would
9 be helpful here to understand how you could have a very
10 economically valuable patent that did not make a
11 significant contribution as compared to the prior art.

12 The gene slicing example, why is that -- why is
13 that not commercially valuable? Is it because there's
14 not infringement? Is it because there's not a product
15 to protect the infringement?

16 MR. JOHNSON: Well, at the time it was invented,
17 it wasn't commercially valuable. It took years before
18 other things happened, further development, and then it
19 did at that time become commercially valuable, but it
20 was not at the time it was invented as opposed to --
21 think of my favorite, which is -- I don't know if it's
22 patented or not, but in hotels, I spend a lot of times
23 in hotels, is the curved shower curtain rod, and it's
24 great, and it's in every shower apparently in every
25 hotel in America.

1 MR. LASERSOHN: He must go to different hotels
2 than I do.

3 MR. JOHNSON: Technically perhaps not the
4 biggest leap, but commercially, I'm assuming very
5 commercially successful. Now, every invention to be
6 patentable has to still at some level meet the inventive
7 standards.

8 MS. MICHEL: Let's go back to the shower curtain
9 idea there. Are you suggesting because it's
10 commercially successful there should be very high
11 damages then, even though it's not technically much of
12 an advance?

13 MR. JOHNSON: Well, whether they're high damages
14 or not would depend on all the *Georgia-Pacific* factors,
15 among them whether the infringer was selling a lot of
16 them and when they decided to do it, and once every
17 hotel room in the country already has one --

18 MS. MICHEL: It's not cost.

19 MR. JOHNSON: Well --

20 MS. MICHEL: Or not capturing different costs.

21 MR. JOHNSON: People may not pay much for one
22 now that every hotel already has one. There are all
23 kinds of factors, and so it would depend on the
24 circumstances of the case.

25 You can't just say: Well, because it's popular,

1 and the other thing, inventions change in value a huge
2 amount during their lifetime. Like in the gene
3 splicing, a classic area is in AIDS drugs. You get a
4 new protease inhibitor that works for highly experienced
5 patients who are running out of treatments.

6 It's very valuable, but then after awhile, after
7 it's used and AIDS develops a resistance to it, it
8 becomes less and less valuable, and then the next new
9 thing comes along, and that's what's valuable.

10 So you have to value the invention, and we
11 generally value the invention at the time the
12 infringement begins, and eclipsing technology is one way
13 that most patents and most inventions lose value because
14 of the next generation of technology comes in, and then
15 nobody wants the last one.

16 MR. ADKINSON: Keith, you've been very patient.
17 Thanks.

18 MR. AGISIM: Sitting next to Phil you have to
19 be.

20 MR. JOHNSON: This is about our 25th panel
21 together.

22 MR. AGISIM: Listening to everything that people
23 are talking about I think it does -- *Georgia-Pacific* may
24 play a role in figuring this out, but ultimately I think
25 it comes back to you need to create an objective

1 standard. People have talked about wanting enhanced
2 gatekeeping. Well, if you want enhanced gatekeeping,
3 gatekeeping against what?

4 It has to be some sort of objective standard,
5 and I think we all agreed earlier in this conversation
6 that damage is compensatory and so what are you
7 compensating for? You're compensating for the economic
8 value of the invention, and depending on when the
9 infringement is, that value can change.

10 It's like people's houses now. People's
11 houses -- their values change a lot. The beauty of the
12 house hasn't changed but the value of that house has.
13 The economic value of that house has changed over time,
14 and so it's the same thing here. You need to provide an
15 objective standard, which I think would be the economic
16 value.

17 Then the question is: Of what? I think we're
18 talking about *Quanta* and sort of the essential features,
19 of avoiding the problem you would raise, and you raised
20 this morning of the computer comprising, and so I think
21 if you have the objective standard, you're able to
22 implement a lot of the gatekeeping that people have
23 talked about, and I think when -- from a gatekeeping
24 perspective, there's so much they can do pretrial, and
25 that's important.

1 But I think there's also sort of a post-trial
2 component. We saw this morning on some of the
3 statistics where the awards from judges were
4 substantially lower than the awards from juries. We
5 assume that the judges are the ones generally getting it
6 right that tells us that there's some discrepancy when
7 they're hearing the same evidence. There would be a
8 discrepancy in what they come out with.

9 I think the problem is now there are no
10 mechanisms, there's no standards upon which -- the
11 standards are too high so judges can't correct those
12 issues when they do come up, and so I think some of the
13 gatekeeping functions need to address that.

14 A potential solution of that area is to create
15 more of a -- sort of more of a record to help the
16 district court judge post-trial and on appeal, sort of
17 we're all back in school, show your work. It would be
18 great if you had the jury sort of show their work around
19 damages, how do they arrive at it, how do they figure it
20 out?

21 MR. ADKINSON: Thanks, Keith. Taraneh?

22 MS. MAGHAME: First of all, I think it's -- I
23 don't know how many people here know this. I think it's
24 worth pointing out that this huge judgment that we keep
25 talking about, the 1.5 billion dollar, was actually the

1 one that was actually set aside, so I hate harping on
2 something the judge itself found was not supported by
3 the evidence and immediately set the judgment aside.

4 So with that said, there was also a suggestion
5 that possibly because that was -- the judgment was in
6 error and it was based on a royalty base that was too
7 high because it was the whole price of the computer,
8 maybe we should consider perhaps the selling price of
9 the decoder.

10 That reminded me of something that was said this
11 morning about the invoice price, and I think that's a
12 totally wrong direction to be headed in as well. There
13 is no correlation between an invoice price or a selling
14 price of an item and what that economic value would be.
15 The value of something that is sold at the time of sale
16 could be very different from the value that the
17 seller -- that the buyer gets from it by combining it
18 with a product.

19 MS. MICHEL: Just I want to clarify that. They
20 were talking about what the base side would be, not what
21 the whole economic value would be, and why can't you get
22 the economic value you want out of the base by adjusting
23 your royalty rate?

24 Is it fair to just point to -- to say that
25 that's not the economic value there in the decoder if

1 what they're really talking about is the base, not the
2 whole economic value?

3 MS. MAGHAME: Well, I guess you could do it that
4 way. What I'm saying is then you're artificially
5 building a formula here because the sale price of the
6 decoder could bear -- it's possible that it bears no
7 relation to what the economic value ultimately should
8 be, so that could be a factor that is taken into
9 account, but there needs to be the ability to adjust the
10 royalty rate to appropriately reflect the economic value
11 at that point.

12 The other point about economic value is we
13 keep -- several people keep saying this is an objective
14 standard. I'm sitting here trying to think how is this
15 an objective standard? Why are we saying determining
16 economic value is objective, because how do we do that?
17 In order to determine the economic value, you still need
18 to go back and rely on those other subjective factors.

19 Whether you want to call them the
20 *Georgia-Pacific* factors or whatever it is, you need to
21 look at evidence in order to determine that economic
22 value, so it is not an objective standard. It's the
23 ultimate end result of where you want to get, and the
24 objective standard for gatekeeping. Well, you can have
25 objective standards for gatekeeping.

1 You could -- and we've talked about that I know
2 at length in the patent reform debate and made a lot of
3 proposals as to how judges can determine what evidence
4 has been presented and what factors may be supported by
5 that evidence and sent those factors to the jury.
6 That's a possibility.

7 But I don't see that any of this can be labeled
8 objective per se, because you still have to have the
9 flexibility, and the flexibility is part of the
10 subjectivity of this determination to start with.

11 MR. ADKINSON: Gary?

12 MR. LOEB: I think actually will agree with Dave
13 on the point of the decoder, and maybe he wouldn't go as
14 far as I would go, but on the issue of not looking at
15 the entire value of the product all the time, I think
16 that there is some middle line with respect to the
17 royalty base, and I'll go back to the curved shower
18 curtain example because maybe that's one that we can all
19 understand.

20 Do you get a royalty on the cost of renting out
21 the hotel room for having the curved shower because you
22 claim -- because some clever patent attorney claims a
23 hotel room that includes a curved shower rod in their
24 hotel? And in that type of problem, should the judge
25 have the ability, even if the claim ultimately says the

1 hotel room that includes this curved shower rod --
2 should the judge have the ability to say, well, really
3 the invention here relates to the curved shower rod and
4 your royalty base that should go to the jury is the cost
5 of the rod, not the cost of the hotel room.

6 And I think that the judges should potentially
7 have flexibility on that standard. I don't know that
8 there's a lot of situations where that applies, but
9 there's certainly some situations where that applies and
10 you can sort of see that, but it's much more effective
11 to come at it and much more understandable to come at it
12 from that way instead of trying to grade the economic
13 value of particular inventions and to say that some are
14 class A or class B from an economic value perspective.

15 MR. ADKINSON: Bryan?

16 MR. LORD: Two points. One, the question was
17 asked earlier how do you know if there's value. The
18 very simple answer is: Was there infringement? If the
19 technology has been used, it's I think a rational
20 assumption to conclude that there has been value
21 derived.

22 Most rational organizations do not add elements
23 to their technology offerings because they add no value.
24 Most add them because there is some value, so I think we
25 can sort of stipulate to the fact that, as my comments

1 were earlier -- if in fact we found infringement we
2 should be able to conclude that there was some value
3 that was derived by that, no matter how -- we can argue
4 about significance, insignificance, rate-based and the
5 like, but I think we should be able to assume that by
6 implementing, a user of the technology has concluded
7 that there's been value there.

8 The second point, going to this objective
9 standard item a little bit, I'm a young guy, and yet I'm
10 going to say I can remember when kind of comment, and
11 this whole debate, if you all recall, started back I
12 think it was 2005.

13 The most important issue that was being raised
14 by the proponents of the patent reform legislation now
15 was injunctions. Do you remember we had the whole issue
16 about Blackberries and the like? And that issue went
17 away as we all know. eBay was passed by the Supreme
18 Court, and that fell off the legislative radar screen.

19 Yet that was far and away the most important
20 sort of sky is falling type of scenario. If you
21 remember Blackberries might have been taken away from
22 legislators that was really driving the legislation.

23 After that case occurred, most people I think
24 would assume it's pretty difficult to get an injunction,
25 if not possible to get an injunction, these days. We

1 could comment on the strategies of that from a
2 negotiating perspective, but let's assume that it's
3 pretty difficult to get.

4 Then we moved into this era of apportionment.
5 Apportionment was the buzz word of the day for a long
6 long time, and suddenly apportionment was sort of a dead
7 end. That didn't curry favor. That was certainly, as
8 Jack described, an effort to simply reduce the damages
9 amount, after we got passed the injunction issue to say,
10 how do we reduce the damages amount from a legislative
11 solution. Apportionment was advanced, and obviously
12 that didn't advance.

13 Here we are doing exactly the same thing with
14 just different -- a different name. This objective
15 standard, the economic value of the feature is an
16 entirely subjective just by a different standard that
17 basically changes the negotiating dynamic once again,
18 and this is a marketplace. This is a marketplace where
19 there are buyers and sellers, and we ought to drive
20 towards willing buyers and willing sellers as our
21 standard and that is subjective.

22 It's in the eye of the seller, and it's in the
23 eye of the buyer and a negotiation that comes to derive
24 that value. To suggest that we're going to have some
25 sort of an objective standard I think is faulty.

1 I'll point out a situation in the apportionment
2 debate. If you recall, some folks talked about, imagine
3 if there was a situation if someone had, I don't know,
4 like a delay switch on a windshield wiper. Would we
5 really consider that to be something where you should
6 actually get royalties on the end value of the car? We
7 talked about apportionment being a good example on how
8 to solve the delay feature on the windshield wiper.

9 And lo and behold, whatever it was 18, 24
10 months, a movie comes out about the delay wiper on
11 windshield wipers, genius, right? And it talked about
12 this inventor who came up with the delayed feature on
13 the windshield wiper and how all the car companies were
14 ignoring the inventor and clamoring for a way to put
15 this windshield wiper into their car to drive the sales
16 of their next year feature on their automobiles.

17 There was big shows, and we have windshield
18 wipers that delay, buy our Buick instead of that crummy
19 Ford because you don't have a delay feature on your
20 windshield wiper, so we've got cases -- Hollywood has
21 taught us about cases where incremental improvements
22 actually drive sales of end products.

23 And it's another example about how today we
24 would think it would be preposterous that there be an
25 objective standard around the value of a delay feature

1 on a windshield wiper, but there was certainly a day
2 where that inventor should have been entitled to have a
3 negotiation with Ford or with Chrysler or GM and say,
4 here's my invention, would you like to have the
5 competitive advantage of adding it to your product. And
6 I think that's what we can't lose sight of.

7 MR. LASERSOHN: So I would like really to agree
8 strongly with what Bryan just said and expand on it a
9 little bit because in fact that is how innovation
10 occurs. It occurs in this very incremental way, tiny
11 little improvements where the goal isn't sort of to get
12 paid some abstract value for how many hours it took to
13 make the invention, but rather to get the economic
14 value.

15 It's interesting that every single case that
16 we've just talked about here can be looked at both ways,
17 so let's go back to the shower curtain example, and the
18 point was: Well, what's the value of that? I could buy
19 it from somebody for X price here if somebody offers it
20 cheaper. Well, it is possible that people actually
21 changed which hotel they would stay at on the basis of
22 did it have the shower curtain or not.

23 Now, I have no idea if that's true, but that
24 is -- that is one of the ways to think about economic
25 value, which is actually the way that most innovators

1 think about it. They are not looking to get paid a
2 tenth of a billionth percent of a royalty on
3 compensating them for their time. They're looking to
4 capture the economic value that the invention has on an
5 entire marketplace.

6 Now, Phil is probably too modest to use this as
7 an example because it's a Johnson & Johnson example, but
8 in the case of coronary stents, the addition of a
9 molecule to the drug coating the stent -- the addition
10 of a molecule, a change to a molecule to the drug
11 coating on a stent could affect and did affect the
12 likelihood of that stent becoming thrombotic or non-
13 thrombotic, and that complication was only 1 percent, so
14 you're talking about affecting something in the market
15 that maybe only had maybe a 1 percent change, but
16 basically it was a commoditized market.

17 All the other stents were roughly the same. The
18 introduction of an invention like that could shift -- where
19 the drug coating or drug itself cost virtually nothing
20 in terms of -- could shift a billion dollars, a billion
21 dollars of profit to the company who licensed it, so it
22 only becomes a question of: Who is entitled to that
23 profit?

24 A company that choose to do it and infringed and
25 made the extra billion or the inventor? That's really

1 what it comes down to, and in that case I would argue
2 the inventor's entitled to that, not the infringer. If
3 it shifted the entire market, the inventor is entitled
4 to that because his invention caused that to happen.

5 Now, it gets vastly more complicated because you
6 would say: Well, you have to have a stent business, and
7 you have to have licenses for stents and all sorts of
8 other things to do it, which gets into this hypothetical
9 negotiation, which is: Well, you're right, I couldn't get
10 the whole billion dollars, but look at how much this one
11 little tiny change meant in terms of economic value,
12 let's negotiate.

13 I don't think you can simplify it beyond that.
14 Every example that you could come up with, including the
15 MP3 player in Microsoft Windows, had the potential to
16 become that kind of effect. Would people buy an
17 operating system without an MP3 player? The answer
18 today is no. I mean, you would actually not buy such an
19 operating system.

20 So these -- talking about sort of a hypothetical
21 how big is the invention or how important, how many
22 hours it took, how smart, was it a genius who did it is
23 not the point. It's the economic impact that it has.

24 MR. ADKINSON: Marian, how does this correlate
25 with what you were saying before?

1 MS. UNDERWEISER: Thank you, yes. I think we
2 have to distinguish here that it is not a one-to-one
3 linear relationship between how inventive is the
4 invention versus how much economic value it has. I
5 think it's clearly true that an invention will have
6 value that depends on its context, how it's used, how
7 it's implemented.

8 So, for example, you can have a significant
9 technological invention that is way before its time and
10 is not used until after the patent expires. It ends up
11 garnering for the patentee nothing, so the point is you
12 do need to distinguish between those two. They're not
13 going to necessarily correlate with each other, but that
14 doesn't mean that you can't discard the question of:
15 Well, what was the invention?

16 And once you figure out what it was, you can ask
17 these other questions: Well, is it the basis for market
18 demand, for a larger product? That's when those
19 questions became relevant, but in order to ground the
20 question, you have to start with trying to determine
21 what really is the invention here.

22 MR. ADKINSON: Phil?

23 MR. JOHNSON: Well, what the invention is is
24 what the patenting process is all about. We spend an
25 awful lot of time in the patent office arguing over the

1 appropriate claim to be the definition of the invention,
2 and the invention could be an improved hotel room, and
3 it could be that -- and I doubt people are booking
4 because of the shower, but it could be that the data
5 would show that people have a more pleasant experience
6 in the hotel, and that hotels find that if they install
7 these shower curtains, that they have a lower vacancy
8 rate.

9 I would guess -- I don't know what they're sold
10 for. Maybe it's quite a lot, but I know that whatever
11 they're sold for, the inventor is sharing the value of
12 the shower curtain with the hotel chain. If they
13 weren't, the hotel chain wouldn't be installing them in
14 all these rooms. That's as with all -- as with all
15 inventions, the inventor who prices his invention to try
16 to garner 100 percent of the value, if it's a billion
17 dollars, and keep it all for himself has an invention
18 that is never adopted. You must share it down the road.

19 I think that a far better way than to try to
20 dissect a claimed invention into its sub-parts is to
21 compare it with its closest non-infringing alternate,
22 which Gail suggested this morning, and I would agree.
23 In our hotel room case it would be the hotel room with a
24 straight shower curtain or who knows, some other type of
25 shower curtain if that was closer, that was non-

1 infringing, and then to compare those values.

2 Whether it's at the sale of the shower rod or at
3 the hotel room, may be a matter of the convenience of
4 the parties negotiating the deal. They might do it on a
5 lump sum. They might do it on a per rod basis, or they
6 might do it on a percentage of the drop in vacancy in
7 the hotel, but these are things that routinely happen in
8 the business world in different business models.

9 And the law shouldn't try to impose an
10 artificial approach to -- in thinking of one thing in
11 mind, and when there are an infinite number of
12 circumstances for which no single rule will fit.

13 And just a final comment, *Quanta* had nothing to
14 do with valuing an invention. As Bill Rooklidge points
15 out, it had to do with how much of the invention an
16 inventor could sell, and still retain control of
17 unpatented products downstream, and when the inventor
18 sold essentially all of the invention except some
19 trivial items that weren't included. The Court decided
20 it would be unfair to allow the patent owner to control
21 downstream commerce.

22 It had nothing to do with it arriving at what
23 the invention was worth. Valuation and what it was
24 worth, the royalty percentage, was not part of *Quanta* at
25 all, and to take some dicta out of that and try to

1 pretend that the Court opined on the value of inventions
2 is simply not what the case says.

3 MR. ADKINSON: David?

4 MR. SIMON: So a couple points. First of all, I
5 want to be clear that I agree with both Jack and Phil
6 that sometimes it would -- could be viewed as Oh, gee,
7 you change three or four molecules or you changed three
8 or four little things, can make a significant difference
9 in the value of what is patented.

10 However, I do think trying to use the artificial
11 constructs, since the United States does not require a
12 Jepson format claim of trying to put everything that's
13 in the prior art up in the preamble and only permitting
14 in the body of the claim what is new and non-obvious, you
15 really do have a problem.

16 There are articles written saying write claims
17 to cover systems because you can claim a bigger royalty
18 base. That makes no economic sense to me, that the
19 patent attorney's decision on how I write the claim is
20 what's going to determine what the royalty base is. I
21 just think that's wrong.

22 And I would also respectfully disagree with Bill
23 and Phil's reading of *Quanta*. I do think what the Court
24 was saying is: Look, here we're looking at this, it's in
25 essence double-dipping. We're not going to permit this

1 type of double dipping because we can look at this and
2 we can say: Look, the addition of the memory, the addition
3 of the other things -- I forget what the claim was,
4 although I should know it better than I do. I think we
5 had some involvement in that case.

6 And I do like to kid my colleague who was
7 involved in the license about one of the Justice's
8 comments about the license, but anyway going back is
9 that was saying: Look, we can look at this, courts can
10 look at this and say this is not permitted because we
11 can look at this is and that's not what you invented.
12 You didn't invent the memory. You invented what in
13 essence Intel sold.

14 Whether that's right or not I won't comment.

15 MS. MICHEL: Marian?

16 MS. UNDERWEISER: I echo the remark about
17 *Quanta*. I do think that the Court was regarding
18 additional recoveries duplicative.

19 The other point I wanted to make was that I
20 think that I actually agree with Phil's example, and I
21 think that this was an example -- it's very similar to
22 the example I used before in talking about non-
23 infringing alternatives.

24 The issue is not to -- I don't think we discard
25 the learning that we have from so many years of trying

1 to determine what's appropriate for damages and the
2 economic value of an invention. It's that by focusing
3 on the substance of what was invented, focusing on the
4 essential features, I think that informs using many of
5 these other tools, so that's how you can tell the
6 difference. That's how you can figure what the closest
7 non-infringing alternative really is.

8 MR. ADKINSON: Kevin?

9 MR. RHODES: I disagree with the notion that the
10 invention is something different than what's claimed. I
11 think the claims define the invention. That is a
12 question of claiming. If there is a perceived problem
13 in how claims are drafted, that's a different question
14 from that of damages.

15 When it comes time to determine how to draft
16 your claim, and say there's a strategic element there
17 certainly, but part of it is the more elements that
18 you're adding to the extent you're claiming the hotel
19 room with the curved shower curtain, when then I guess
20 condos don't infringe, right?

21 So there's a balance here that we're reaching,
22 but once that balance has been reached, and the claims
23 have been issued, I think it's a wrong approach to think
24 that we can dissect the claim into its elements and then
25 inject a second validity analysis into the damages

1 calculation.

2 As to *Quanta*, I mean, the essential features of
3 the invention sound a lot like prior art subtraction to
4 me cloaked in a Supreme Court case, so now it has the
5 premise of having more validity, but I echo what Phil
6 was saying. *Quanta* had nothing to do with actually
7 ascribing value to an invention. It did have to do with
8 double-dipping.

9 Whatever that value is, where in the value chain
10 does the patentee exhaust that value? It didn't talk
11 about what the invention is worth, much less dissecting
12 the invention and what are particular elements of that
13 invention worth. And I think the idea that we would get
14 better, more objective damages law by going through the
15 entire liability phase of the trial, then we come to
16 damages, and we essentially re-create validity to
17 determine what is the essential feature or the novel
18 aspect of the invention.

19 And then of course since that analysis leads to
20 zero values for combination claims, so the Post-it note
21 for example is worth nothing . The Post-it note
22 adhesive was old, it had been separately patented.
23 Paper of course was not new. You get no value.

24 But the Court was careful to distinguish *Aro*
25 and say, this doesn't apply in the sense of combination

1 claims. Now, we have another layer of complexity. Is
2 it a combination claims? Well, most claims are. Maybe
3 this is. Maybe this isn't, so the idea that we're going
4 to get to a better end state comparing the law to date
5 to where it will be with this more objective standard I
6 think is a fallacy.

7 I don't think it's going to add any objectivity.
8 I don't think it's going to simplify, and I don't think
9 it's going to have any effect other than to lower
10 damages awards, which may be the intended effect.

11 MR. ADKINSON: Thank you very much, and I guess
12 I now -- the phrase layers of complexity resonates. We
13 really appreciate all of your thoughts.

14 I would like to have you go around and give one
15 last set of thoughts, anything you're thinking about,
16 the extent to which there's a problem, and if so, what
17 you think might be done it or whatever other thoughts
18 you might have.

19 MS. MICHEL: Last chance for comments. We're
20 wrapping up.

21 MR. AGISIM: We did talk earlier, in our
22 industry, there's a clear problem. I think it's well
23 articulated, well documented.

24 In terms of the solution, I think you need an
25 objective standard. I think it should be based on the

1 economic value. If damages are not based on the
2 economic value, then there is something wrong. What are
3 they being based on? So I'm not sure where the -- why
4 there's so much fight over that, but I think regardless
5 of what the standard is, you really need to have
6 gatekeeping in a significant way that can deal with it
7 both pretrial and post-trial.

8 MR. JOHNSON: One of the problems with non-
9 practicing entities from my conversations with my
10 counterpart in the tech industry is that they are being
11 held up, if you will, by the cost of the transaction
12 involved in litigation, that is the 3 to \$5 million, and
13 they are being coerced to settle without regard to the
14 merits of the claim.

15 Whatever we do, we should do something to
16 discourage people from bringing frivolous actions and
17 taking advantage of the fact that uniquely, as many have
18 pointed out, in this area frivolous cases can impose
19 such a burden on the defendant that they can extract
20 large amounts of money from them.

21 I don't know if loser pays is the right way or
22 what else is involved, but something needs to be done to
23 stop people from abusing the system at that level.

24 MR. LASERSOHN: I'll make two quick points. The
25 first is that I don't think anybody disagrees that

1 economic value is the core idea that we are searching
2 for, but that is very different than economic value of
3 an essential feature or economic value of the invention
4 over the -- contribution over the prior art. That is
5 not the same thing.

6 So I think that that is the core of our
7 disagreement because that is a fundamental change,
8 fundamental change in the damages system. It will have
9 unintended we think very adverse consequences, and we
10 should be honest that it is in fact a proposed major
11 change in the way we think about this, number 1.

12 Number 2, during the stakeholder meetings, I
13 think NVCA was actually very sympathetic to the
14 possibility that there were outlier situations. I mean,
15 every system produces black swans as we all know now,
16 and it is very possible that there are true black swan
17 situations out there, real outliers where some truly
18 insignificant component leads to ridiculous damage
19 awards because the jury is somehow incapable of keeping
20 complicated thoughts in their mind.

21 For example, the problem of how do you make the
22 royalty rate low enough against a larger base to make
23 the economics work? They just can't do the math
24 perhaps. In those situations we proposal, let's deal
25 with the outlier, that our friends in software, for

1 example, are worried about.

2 If there are cases where there is -- the
3 contribution of the invention is truly insignificant,
4 has really insignificant economic value, doesn't shift
5 the marketplace, it doesn't save a lot of money, it's
6 just a different font for the letter F in Microsoft
7 Word, that could be cut out as a special case. That's
8 the way to deal with what is perceived to be some sort
9 of black swan type outcomes here, which we would in fact
10 be happy to support.

11 MR. LOEB: I think one of the interesting issues
12 raised in some of the positions of Dave and Marian is in
13 some ways we're incentivizing innovation for really
14 expensive products if we're allowing these, and we're
15 not incentivizing innovation for things like forks where
16 you can't claim something that's really expensive in
17 connection with your innovation.

18 So I think that's sort of a fundamental policy
19 decision that: Is there some sort of bad situation that
20 arises from that. And that's where I sort of sympathize
21 with these patent claims that try to claim more than
22 what they should with respect to the invention, but I do
23 think that coming at it from a damages standpoint is
24 very wrong-headed.

25 I think that we haven't actually seen a whole

1 lot of really bad damages cases, and most of those that
2 we have seen have either not been upheld or can often be
3 explained through specific litigation tactical
4 decisions, so I think there's actually surprisingly
5 few.

6 I think actually one of the reasons for that is
7 that thankfully patent cases are in federal court, and I
8 think the quality of justice you get in Federal Circuit
9 is maybe a little bit higher than what you get in state
10 court, so we don't see the type of runaway case that
11 you see in products liability or other situations like
12 that.

13 So I do think that the way to come at this is
14 really more from a patent reform system. Are there
15 things to the patent system? Do we need to open up post
16 grant opposition proceedings so that patents that seem
17 really obvious can be challenged early on, so they can't
18 be held up against companies that might practice them, or
19 things like that that are ways to deal with most of the
20 issues? But I don't think the right way to come at most
21 of this is from a damages perspective.

22 MR. LORD: So I'll agree with Jack again. I
23 think everybody agrees about the intent here to look at
24 economic value. It's a question of what nuances have
25 been put on that term. Paul Romer's a pretty

1 influential these days economist, and he talked about
2 the fact that innovation policy is the single most
3 important policy matter that our country faces these
4 days.

5 What he did was he contrasted between two
6 different circumstances. One where there's a decreasing
7 returns to scale type of regime, it's sort of zero sum,
8 winners, losers, and frankly it echoes a lot of this
9 debate here: Who should win, who should lose, what
10 should be the spoils?

11 That's fine, we can have that discussion, but
12 Romer really talks about this increasing return to scale
13 regime. It's part of his emerging economics view, and
14 he distinguishes the old regime with the new, and the
15 difference is ideas, and he talks about how important
16 ideas are in the paradigm of the old, which is
17 decreasing returns to scale, and ideas which are
18 increasing returns to scale.

19 Those ideas he talks about fundamentally need to
20 be protected for all the reasons that Jack, and I hope I,
21 have talked about. You need to encourage people to take
22 risks. You need to encourage entrepreneurs to take
23 risks with their time and venture capitalists take risks
24 with their money, and the difference between whether we
25 protect ideas or decrease the protection for ideas is

1 the difference between whether we live in an economy
2 that has decreasing returns to scale and is finite or
3 whether we live in an economy that has increasing
4 returns to scale, and actually has limitless
5 possibility.

6 MS. MAGHAME: I agree with a lot of what's been
7 said here, and I think my company is a good example of
8 one that was willing to take the risk, and the reward
9 was there, and in today's climate -- I mean, I don't
10 know if 15 years ago we had the same debate now, whether
11 the company would have taken the risks it did, but there
12 are a lot of companies out there who are licensees who
13 are happy that we did this so we need to have the reward
14 system there.

15 Looking at this at a higher level, on a global
16 scale, really the only thing we have right now in our
17 economy is the competitive advantage that we have
18 because of the knowledge base, because of our
19 intellectual property. That's really the competitive
20 edge we have over the rest of the world.

21 And starting to attack it from all angles is
22 going to allow us to lose that, and where does that
23 leave us? I think Judge Rader just said this two weeks
24 ago at a conference that I was at is: Let's take the
25 discussion a few levels up and talk about how can we

1 establish IP laws such that they will promote
2 competition, and they will help us with our economy?

3 And I think that's what we're all talking about
4 here is how we can do this so as to not create a bad
5 situation for us, not to damage ourselves?

6 Now, a lot of issues came up over the last few
7 years that people said needed to be dealt with, and if
8 you look at the history of what the courts have done
9 over these years, they've dealt with just about every
10 one of those issues. We had issues about injunctions.
11 eBay took care of that.

12 We had validity issues with patents. Are there
13 bad patents out there? Then we got *KSR* with the non-
14 obviousness standard being strengthened. Exhaustion,
15 *Quanta* recently came down dealing with that. We've got
16 willfulness and *Seagate*. Venue issue, *MedImmune* to
17 some extent has taken care of that, so the Courts have
18 really been able to deal with these issues.

19 At this point to step in and say, we need to
20 legislative reform damages standard I think is
21 unnecessary, particularly since as we've discussed
22 several times here, the data is not there to support the
23 statement that there is a problem.

24 Yes, there are outliers. Courts have dealt with
25 some of them. There's outliers in every area of the

1 law, but we could seriously damage ourselves by coming
2 in at this point and saying we need legislation to fix a
3 problem that really doesn't exist and why don't we let
4 the system fix itself the way it has with some of these
5 other cases, and let's focus on the patent quality.

6 I mean, that's what this all boils down to.
7 When we're talking about NPEs, we're not talking about
8 companies -- at least I don't think we're talking about
9 companies like Tessera who spent hundreds of millions of
10 dollars developing technology that is valuable to the
11 industry.

12 We're talking about bad patents. That's what I
13 always understood it to mean, whether you call it troll,
14 NPE, whatever you call. It we're talking patents that
15 should have never been issued, so let's focus on issuing
16 the quality patents. Let's focus on making the PTO
17 function in a way that allows us to do that.

18 MR. RHODES: I think the other panelists have
19 made my points very well, so thanks again, Bill and
20 Suzanne.

21 MR. SIMON: I promised in an effort to get
22 everybody out of here that I would pair myself with
23 Kevin, so I will pass on.

24 MS. MICHEL: Good enough.

25 MS. UNDERWEISER: Well, I'll be brief. I think

1 that it is important to recognize that our intellectual
2 property is a very significant asset of companies today
3 in the United States and worldwide, but certainly with
4 the economic crisis that we're facing, it's very
5 important that our treatment of intellectual property
6 encourages innovation.

7 And in addressing this issue, the thing that I
8 think we really need to focus on is how to encourage the
9 development of innovation, how to encourage its
10 implementation and products, and how to do that by
11 improving the IP market, by improving the efficiency in
12 how companies come together to trade IP rights.

13 And so that's why it's important to be able to
14 come into a licensing negotiation and have both parties
15 understand and be able to agree on the value of an
16 innovation, and that's the goal for the proposals that I
17 have described I think at this point and what I'm
18 proposing.

19 But that's the goal of those ideas is to make
20 sure that this market functions efficiently, so that
21 innovation is encouraged and makes it to consumers who
22 are looking for it.

23 MS. MICHEL: All right. Thank you, everyone,
24 for your participation and your energy and your
25 interest.

1 As I mentioned this morning, we will continue to
2 accept comments through May 15. I believe the web site
3 was down last week for submitting comments. If anyone
4 tried it, it's back up, and also feel free to contact
5 us. We would love to hear from you. Thank you.

6 (Applause.)

7 (Whereupon, at 5:10 p.m. the workshop was
8 adjourned.)

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