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FEDERAL TRADE COMMISSION

I N D E X

OPENING REMARKS	PAGE
CHAIRMAN KOVACIC	4
KEYNOTE ADDRESS	PAGE
CHIEF JUDGE MICHEL	100
PANELS	PAGE
1	13
2	128
3	202

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FEDERAL TRADE COMMISSION

FEDERAL TRADE COMMISSION)
HEARING ON:)
THE EVOLVING IP MARKETPLACE) Docket No.
) PO93900
)
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FRIDAY, DECEMBER 5, 2008

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 9:35 a.m.

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P R O C E E D I N G S

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3 MS. MICHEL: Thank you, and welcome to the
4 first in a series of FTC hearings on the evolving
5 intellectual property marketplace. I am Suzanne Michel.
6 I'm the Assistant Director of Policy in the Bureau of
7 Competition here. If you have any questions throughout
8 the day, please feel free to ask me or any of the people
9 that you see with one of these name tags like I have,
10 with the blue around the corner. We're all working on
11 the project, and we'll be able to help you.

12 I'm going to make a couple of security
13 announcements and then introduce Chairman Bill Kovacic
14 for opening remarks.

15 First of all, in the case that there is a fire
16 alarm or evacuation, please walk directly across the
17 street in front of Georgetown Law School. We will be
18 rallying there, and we will have to check off that
19 everyone who came into the building came out of the
20 building.

21 If you do go out for lunch, we'll be having an
22 hour and a half lunch break. In fact, you will have to
23 go out for lunch. There's no food in the building. I
24 believe you do need to go back through security when you
25 come back in, so please give yourself a couple of

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1 minutes to do that.

2 Chief Judge Michel would like to start promptly
3 at one o'clock and I know that no one will want to miss
4 his remarks. I had a preview and a discussion yesterday
5 with him, and you will not want to miss it.

6 If you see any suspicious activity, please let any
7 of the staff or security people know.

8 It is now my pleasure to introduce the Chairman
9 of the Federal Trade Commission, Bill Kovacic. As I
10 think you will hear, the Chairman has been a very
11 enthusiastic supporter of FTC involvement in this arena
12 at the interface of competition and patent law.

13 Indeed, he's very much been the inspiration for
14 the project that we launched today, so I give you
15 Chairman Kovacic.

16 (Applause.)

17 CHAIRMAN KOVACIC: Thank you, Suzanne, and I am
18 enormously pleased to be here at the beginning of what I
19 am certain will be a fantastic workshop, and my delight
20 in seeing us convene this event is closely related to my
21 view about what the Federal Trade Commission ought to be
22 doing.

23 It's just about 40 years since the FTC had a
24 near death experience, in 1969 and 1970, where basic
25 questions were raised about whether the institution

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1 itself ought to continue, and the view of a number of
2 observers in thinking about what the way ahead of the
3 agency should be focused heavily on the conception of
4 what the agency's comparative advantages and possible
5 contributions to policy-making were.

6 And the most formative event at that time was a
7 report that the ABA did in 1969 that said that the high
8 ground for the Commission consisted of following a
9 couple of specific approaches.

10 First, there was the view that the Commission
11 would pay the rent by dealing with the difficult issues.
12 To paraphrase Jack Kennedy, we do the hard things
13 because they are difficult, and we take them on because
14 they involve some of the most complex and intricate
15 issues. The Commission's comparative advantage, given
16 its institutional features, ought to consist of taking
17 on questions that involve particularly complex issues of
18 law and economics.

19 Second, was that the configuration of the Agency,
20 which is partly an enforcement body, it is partly a
21 think tank, it is partly an organ for research and
22 policy, it is partly a device to convene discussions
23 of important issues, ought to consist in using all of
24 these tools in a way to come up with more
25 comprehensive diagnoses and assessments of specific

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1 phenomena and to develop solutions that reflect a
2 thoughtful, careful use of all the tools at its
3 disposal.

4 That's exactly the subject matter of the program
5 today, which in many ways is an extension of activities
6 that the Commission has pursued in various forms over
7 its lifetime, going back to formative initial cases in
8 its first decade, but more recently to a fuller and more
9 elaborate use of all of the policy-making instruments at
10 its disposal.

11 What do these proceedings reflect or
12 acknowledge? First, is coming up with good solutions
13 with respect to intellectual property. Competition
14 policy requires a genuinely multi-disciplinary
15 perspective. The historical tendency was to focus on a
16 specific discipline and to develop a deep understanding
17 within that discipline is simply inadequate in this
18 area.

19 I think all of us have come to recognize that
20 the fields of competition law and IP law in many ways
21 reflect different cultures, different disciplines,
22 different fields of preparation, and a flaw in
23 policy-making in the past was the failure to integrate
24 them, and as a consequence, with the application of only
25 one discipline, one saw serious policy distortions as

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1 one field or the other tried to equilibrate, to push
2 back what were perceived to be excesses generated in the
3 institutions and decision-making of the other.

4 So today's program is in part a recognition of
5 the importance of doing genuinely interdisciplinary
6 work. The second is the recognition that institutional
7 arrangements count and matter a great deal, that to a
8 large extent, when we have discussions about specific
9 topics or phenomena, when you go to conferences and
10 certainly when you go to academic settings, there's a
11 tendency to focus on issues of doctrine, abstractions
12 related to the theory associated with the choice of
13 specific substantive standards.

14 What's neglected is a discussion of the
15 institutional arrangements through which doctrine is
16 developed and applied over time, and of course doctrine
17 isn't suspended in air. It runs on institutional
18 platforms, and the society that hopes to achieve
19 superior broadband-like policy results can't do so if
20 it's running policy on dial-up institutions.

21 So part of the initiative here has reflected an
22 effort to focus on the institutional arrangements
23 through which policy is made and to ask how can they be
24 improved, because I think this is part of a greater
25 global awareness, that the jurisdiction that achieves

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1 superior institutional design, achieves superior
2 substantive outcomes while minimizing the cost of
3 applying those institutions is going to have an enormous
4 degree of competitive advantage over time, and its
5 citizens will enjoy greater prosperity because the
6 effort to get the institutional arrangements right has
7 proceeded with a great degree of continuing effort.

8 A final thought about the approach and
9 philosophy that animates these proceedings today. We
10 see this as part of a continuing conversation. As
11 Suzanne and her colleagues will point out, this is first
12 of a series of events. We found increasingly that
13 rather than trying to point to a single decisive event,
14 where everything is tied together in a conclusive way in
15 a particular field, that in areas such as this one, the
16 model that works best is to have a continuing series of
17 discussions and public consultations.

18 We see this as the first of several sessions,
19 but I would anticipate over time, given the investment
20 that's been made in the past, that what will
21 characterize success in this area is a continuity of
22 effort, not simply over the coming months but over the
23 coming years where we use, in many ways, our capacity to
24 act as a convener for discussions, as a research
25 institution that can formulate empirical agenda and

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1 indeed as an enforcement body with respect to matters
2 within our formal legal competence, to make this an area
3 in which we continue to return to basic issues overtime.

4 As part of that process, we welcome your
5 thoughts about what the empirical agenda might be, what
6 the appropriate format for consultations ought to be in
7 the future, and both by your direct participation and
8 through the providing of public comments, we do welcome
9 efforts to intensify and carry out that discussion over
10 time.

11 I want to finish by thanking perhaps the most
12 important ingredient of making this a successful
13 process. The indispensable element of making this work
14 are the contributions of our panelists, and when you've
15 looked at the good results that I think we've achieved
16 in the past, there's been a continuing theme about that.
17 Very capable people generously put in a great deal of
18 time to think through these issues and to bring those
19 insights to bear in the process.

20 I can't say how much we are grateful for your
21 willingness to commit your time to doing this, and I
22 think throughout the day, certainly when I get the
23 chance to read the transcript, and it's quite fortunate
24 that we do have a record that becomes available over
25 time, I know that I will see again, as a result of these

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1 proceedings, exactly that kind of dedication of effort
2 and those kinds of insight.

3 We are extremely grateful to you for committing
4 your time and effort to doing this and to giving us the
5 benefit, not just of theory, but to show us how theory
6 has met practice in a variety of different areas.

7 Last, let me thank two groups. First, I want to
8 give my thanks to an institution that helped us set down
9 this path in 2001-2002, and that's the Patent and
10 Trademark Office. When the Department of Justice and
11 the FTC and the PTO first formulated the hearings that
12 were set in motion in 2001 that led to the *To Promote*
13 *Innovation* report in 2003, it was the willingness in
14 many ways of the Patent and Trademark Office to join us
15 in that collaboration.

16 I suppose if the PTO had approached us and said,
17 "We would like to have 20 or so days of hearings on the
18 quality of antitrust enforcement," I might not have
19 regarded that as a friendly suggestion. I might have
20 seen it, if I were narrow minded, which of course I'm
21 not, as a threat.

22 Yet the PTO joined us in that effort, even
23 though in many ways it raised questions that were very
24 difficult for them, and the willingness to engage in
25 that discussion, not only to reach consensus about some

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1 of the points, I regard as a singular example of sound
2 public administration, and we continue to realize the
3 benefits of that collaboration.

4 I also thank my colleagues here at the FTC, and
5 let me simply mention the empresarios who made this
6 happen, the producers who made this happen: Erika
7 Meyers, Bill Adkinson, Armando Irizarry, Tom Mays, Joel
8 Schrag, Chris Bryan, and most of all Suzanne Michel, who
9 is here with us.

10 Fortunately, you know Suzanne's work quite well,
11 and I'm quite confident that in the field of efforts to
12 integrate knowledge in both of these fields, Suzanne is
13 unsurpassed.

14 A story I like to tell is an interview that took
15 place some years ago by a journalist who talked to the
16 curator of the Hermitage Museum, and the curator was
17 asked, "Does the Hermitage have the greatest collection
18 of art in the world?" The curator said, "That's a
19 difficult question, it's hard to answer, I'm not sure,
20 but I certainly can tell you one thing, it is not the
21 second."

22 With respect to Suzanne's own efforts, that is
23 the effort to truly bridge these areas and bring a
24 genuine, deep, sophisticated understanding of the two
25 fields together, Suzanne is certainly not the second.

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1 I welcome you again I look forward to a very
2 fruitful discussion, and indeed the first of many good
3 days to come in the years ahead. Thank you, Suzanne.

4 MS. MICHEL: Thank you.

5 (Applause.)

6 MS. MICHEL: Thank you very much, Chairman
7 Kovacic. I will stop blushing in just a second. If I
8 could call up our first set of panelists now, and
9 we'll get started. Thank you.

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1 PANEL 1: DEVELOPING BUSINESS MODELS.

2 MODERATORS:

3 SUZANNE MICHEL, FTC, Bureau of Competition

4 ERIKA MEYERS, FTC, Bureau of Competition

5 PANELISTS:

6 MALLUN YEN, Vice President, WW Intellectual Property,
7 Cisco Systems, Inc.

8 PETER N. DETKIN, Founder & Vice Chairman, Intellectual
9 Ventures, L.L.C.

10 DANIEL P. MCCURDY, CEO, Allied Security Trust; Chairman,
11 PatentFreedom, LLC

12 RAYMOND MILLIEN, Founder, PCT Companies and CEO, PCT
13 Capital, LLC

14 BRIAN KAHIN, Senior Fellow, Computer & Communications
15 Industry Association

16 MS. MEYERS: Good morning. I'm Erika Meyers.
17 Thank you for coming to the FTC's first hearing on
18 the evolving IP marketplace. In our first panel we will
19 explore the emergence of new business models involving
20 the buying, selling and licensing of patents and the
21 implications these developing business models have on
22 patent valuation and licensing.

23 We have a wonderful group of panelists with us
24 today who will discuss these significant changes. First
25 up will be Ray Millien. Ray is the Founder and Chairman

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1 of PCT Companies, a family of companies providing
2 intellectual property-focused legal, lobbying and
3 advisory service for the knowledge economy. Before that
4 he was General Counsel for Ocean Tomo, the country's
5 leading investment house focusing on IP assets, and he
6 has practiced law with well-respected firms.

7 Next will be Peter Detkin. Peter is Founder and
8 Vice Chairman of Intellectual Ventures. Before
9 Intellectual Ventures, Peter was Vice President and
10 Assistant General Counsel at Intel Corporation where he
11 was responsible for managing the Intel patent and
12 licensing departments. He was also an intellectual
13 property partner at Wilson Sonsini.

14 Peter will be followed by Dan McCurdy. In
15 August of 2008, Dan McCurdy was named CEO for Allied
16 Security Trust where he is responsible, among other
17 things, for patent acquisition. He's also Chairman of
18 PatentFreedom. Before this, Dan was Founder and Chief
19 Executive Officer of ThinkFire, and he has had
20 intellectual property experience with a number of large
21 corporations.

22 Mallun Yen will follow Dan. Mallun is Vice
23 President of Worldwide Intellectual Property at Cisco
24 Systems, the worldwide leader in networking that
25 transforms how people connect, communicate and

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1 collaborate. Mallun started at Cisco as the company's
2 second intellectual property attorney and went on to
3 build a group that now consists of over two dozen
4 professionals.

5 With the important job of closing the
6 presentations is Brian Kahin. Brian is Senior Fellow at
7 the Computer and Communications Industry Association,
8 and he's also a Research Investigator and Adjunct
9 Professor at the University of Michigan School of
10 Information. He's authored several papers and held
11 other academic and government positions relating to
12 intellectual property.

13 Suzanne Michel will be moderating, so without
14 any further ado.

15 MR. MILLIEN: Thank you. I guess I'm batting
16 lead off today. Good morning. My name is Ray Millien.
17 I'm the CEO of PCT Capital and chairman of the PCT
18 Companies. I'm charged today with introducing the
19 topic of the evolving IP marketplace.

20 Therefore, what I want to do is just put this in
21 perspective, both economically and historically about
22 how we got here. I know there's a lot of what I call
23 Wall Street Journal hype in terms of patent reform,
24 P-LECs, non-practicing entities and all the other names
25 that are out there, and we're all talking about what's

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1 going to happen in the 111th Congress in the new Obama
2 Administration, where there are a good 40 to 50 jobs
3 that may impact IP policy. So without further ado,
4 let me just get into our presentation.

5 Economically, I guess I always like to start my
6 presentation by quoting Alan Greenspan, one Federal
7 Reserve chairman ago. He noticed back in 2003 that
8 our economy was really moving towards an intellectual
9 property economy and saying that the fraction of the
10 total output of our economy that essentially conceptual
11 rather than physical has been rising, and therefore the
12 rising importance and emphasis in asset valuation going
13 from physical property to IP.

14 To put it in further historical perspective,
15 Alvin Toffler wrote an influential book called the Third
16 Wave, and in that book, he said you could really divide
17 the world's history into three economic periods. The
18 first was the agricultural period, where basically from
19 8000 BC to 1800 AD, the measure of wealth was really
20 land. If you remember your social studies from
21 grade school, you realize that back in the day, if you
22 didn't own land you couldn't vote, right, and in some
23 places not so far back in the day.

24 Really starting around 1800 to 1950, in the
25 industrial age, where really the measure of wealth was

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1 land, labor and capital. In other words, you needed
2 land to build factories. You needed labor to work in
3 those factories, and you needed capital to buy the
4 machines for those factories, and then Alvin noticed that
5 around 1950, really the measure of wealth is becoming
6 more capital and intellectual property, and we are now
7 in the third wave so to speak.

8 To present some further empirical data, Ned
9 Davis Research, following on some research that was done
10 earlier by Brookings Institute said: Look, if you look
11 at the components of the S&P 500, and the S&P 500 are
12 the 500 largest publicly traded companies in the U.S --
13 if you look at their value, their book value and
14 separate that by tangibles and intangibles, you will
15 notice in 1975, less than 20 percent of the value of the
16 companies on the S&P 500 were really attributable to
17 intangibles.

18 If you look 30 years later, that value is almost
19 80 percent, and we know that IP is the largest component
20 of intangibles, so therefore there's been what we call
21 sort of like an 80/20 inversion.

22 Now, let's look at some interesting facts. Back
23 in 2005, the economists noted that as much as three
24 quarters of the value of publicly traded companies in
25 America comes from intangibles assets, really validating

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1 the Ned Davis Research.

2 They also noted that for the first time since
3 the industrial revolution, fewer than 10 percent of
4 American workers are now employed in manufacturing, and
5 by 2008 that number is probably closer to 5 percent, so
6 we are becoming very much a white collar society, the
7 output of which are intangibles. That's how we're
8 measuring wealth these days, and that's how we're
9 measuring the values of our companies.

10 Global licensing revenue is greater than \$150
11 billion and growing 25 to 30 percent year. If you look
12 at the US IP settlements and judgments in 2006, they
13 total over \$3.4 billion, and if you look at sort
14 of the gold standard of measurement of IP revenue is
15 always IBM, you'll notice that they were at \$975 million
16 in 2006, down from their previous high of \$1.5 billion,
17 and if you look at sort of the flip side of a different
18 business model where a large company doesn't do a cert,
19 you will notice that Microsoft paid more than \$1.4
20 billion in IP royalties in 2003.

21 So I talked about the historical perspective,
22 the economic perspective. Now, I have this little chart
23 here that I would like to go through just to talk about
24 the history of the IP business models in the
25 evolving IP marketplace.

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1 Going from left to right, we're going from
2 historical to future, and then from top to bottom on the
3 Y axes there, I'm going from quote, unquote, low quality
4 transactions, highly frictional transactions, to more
5 high quality transactions, less frictional transactions.

6 Historically, IP was really a feudal system. If
7 you look back 30 years ago, the IP game was really
8 dominated by the IBMs and the GEs of the world and their
9 patent lawyers. You had a very few companies that owned
10 most of the patents, and that was really the IP game,
11 and then people just basically did a lot of defensive
12 cross-licensing. Then companies like IBM got into
13 royalty-based industry licensing and then into expansion
14 licensing, licensing companies outside of your core
15 business areas.

16 In present, now we have companies doing IP based
17 M&A where they're buying a company, not because of its
18 revenue, but because of its IP position. You have
19 patent licensing and enforcement companies, P-LECs, or
20 what some people refer to as NPEs, non-practicing
21 entities, or some people refer to as patent trolls.
22 Those are sprouting up.

23 And now you have people doing patent pools,
24 whether it be defensive or offensive. With Ocean Tomo
25 we launched public IP auctions a few years ago, and now

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1 there are a lot of web portals popping up which are more
2 like the business to business models like yet2.com,
3 Tynax, Deans List, Patent/Bid-Ask, so on and so forth.

4 In the future, you're really going to see an IP
5 for the masses, where IP is treated more like a
6 commodity, like pork belly futures and oil and so on and
7 so forth, and right now, you have people developing IP-
8 based hedge funds, where they're picking stocks based on
9 the companies's IP portfolio, and we have IP indexes
10 like the Patent Board's Wall Street Index or the Ocean
11 Tomo 300.

12 You are going to see in the future urban IP
13 zones. You've heard of the empowerment zones. The next
14 wave is going to be urban IP zones, like American
15 Express is pioneering in Upper Manhattan to develop the
16 economic areas in Harlem.

17 Then you're going to see traded exchanges for
18 license rights, like the IP Exchange in Chicago that
19 people are developing now, sort of the NASDAQ and New
20 York Stock Exchange for intellectual property, and
21 that's sort of where we're headed.

22 There is still a problem with IP today. That
23 is, the IP assets are not very liquid, and historically IP
24 sellers haven't been really able to locate IP buyers
25 readily and easily. These days, if you own a hundred

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1 shares of Citibank, it is easy to sell these shares, you
2 just call your broker, but if you own a hundred patents,
3 where do you go to sell those? That's a little more
4 difficult transaction, obviously.

5 Traditionally, IP transactions have always been
6 characterized by difficult to acquire identification,
7 long periods of negotiation, and as all the lawyers in
8 the room, know, endless due diligence.

9 So what are the IP business models? So we've
10 surveyed the IP business models and really found there
11 are 17 business models out there, and there are probably
12 more evolving as we speak. But, these 17 business models
13 are different and apart from an operating company, who
14 is doing R&D, producing IP, and getting markets and
15 products to the marketplace, and this is different than
16 the law firms.

17 So we're talking about the models other than the
18 traditional law firm model and the other traditional
19 operating company model, and those models include the
20 P-LECs that we referred to earlier, people like Acacia
21 Research, Ferguson and Lemelson; in other words, people
22 who are non-practicing entities that assert the IP.

23 Then you have institutional IP aggregators.
24 Those are people who are really following more of a
25 private equity model where they're going out and raising

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1 capital, going out and acquiring IP and employing
2 different strategies to monetize that, whether it be
3 arbitrage or what have you.

4 Then you have your IP technology development
5 type companies like AmberWave, Qualcomm and Rambus.
6 Those are companies, traditional-like companies but who
7 may develop IP, who spend a lot of money on R&D but may
8 not actually get the actual product or service to the
9 consumer but rather licenses it to another company
10 who then produces the product or service.

11 Then you have your licensing agents, those
12 people who represent companies who are looking for
13 licensees.

14 Then you have your litigation, finance or
15 investment firms. These are firms that may loan money
16 or they may take investment, whether it be equity
17 investment or debt investment, into a company who then
18 may use those funds to go out on assert or use those
19 funds to develop the IP or use those funds to actually
20 go into business.

21 Then you have your IP brokers, who are very much
22 like your IP licensing agents, but in those cases, the
23 brokers are more; in other words, licensing agents sort
24 of go along with the company. They try to find
25 licensees. They manage the licensees. They implement

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1 strategy. The brokers are pretty much the people who
2 are saying, look, you want to sell your patents, let me
3 broker the deal, I keep a percent, I'll move on.

4 Then you have IP-based M&A advisory. Those are
5 people who are helping companies locate IP, doing some more
6 investment banking type representations but looking for
7 companies to compliment their client's IP portfolios.

8 Then you have your IP auction houses that are
9 trying to do what Christie's and Sotheby's did for the
10 art market; in other words, make it more liquid by
11 holding either live or online IP auctions.

12 Then you have your online IP technology
13 exchanges; in other words, more of a B-to-B business
14 model like back in the dot.com heyday, people who are
15 letting people post their IP, sort of becoming the
16 credulous of IP, so to speak.

17 You move on to people. You have people who are
18 doing IP-backed lending. In other words, there are people
19 who are loaning companies money in the range of anywhere
20 from half a million to two million dollars, and basically the
21 collateral for those loans are not the Aeron Chairs and
22 the Dell Computers, but the actual IP assets of those
23 companies who are typically start ups or post-round A
24 companies.

25 Then you have your royalty stream securitization

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1 firms, who are probably not doing much business in light
2 of the mortgage-backed securities meltdown, but in
3 essence, those companies are those who specialize in
4 helping companies issue IP-backed mortgage securities.
5 Many of you may remember the Dunkin' Donuts deal or the
6 Yale University deal where essentially a company issues
7 bonds, and those bonds are backed by the royalty income of
8 its existing IP portfolio.

9 Then you have patent analytic software
10 and services. These are the folks who are not really
11 doing deals, not really facilitating deals, but they're
12 providing the background research to do the deals, your
13 PatentRatings.com or your Patent Cafes. They're helping
14 people do due diligence. They're helping score patents.
15 They're helping trying to -- if you have a portfolio of
16 4,000 patents and you want to know, which of those
17 patents should I assert first, those are the companies
18 that are doing the background analytics.

19 Then you have companies that follow all the
20 business models that I talked about earlier, but focus
21 in on the university market, and that's not a bad market
22 to focus on because universities in 2006 did over 4,000
23 patent licenses, and if you look at the combined
24 research budget of universities, you're talking in the
25 tens of billions of dollars.

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1 Then in the 14th business model you have IP
2 transaction exchanges, and those are what I mentioned
3 earlier going to the future, people trying to be the
4 NASDAQ and New York Stock Exchange of IP.

5 The 15th business model are defensive patent
6 pools, funds and alliances. These are companies that
7 really function like the private equity model, and I
8 won't steal Dan's thunder there, so I'll go quickly
9 through this, but in essence those are companies that
10 are raising capital and pooling patents either for
11 offensive or defensive purpose.

12 Then you have companies that focus on technology
13 and IP spin-out financing. In other words, those are
14 companies that are helping Fortune 500 companies
15 that have developed some intellectual property, but that
16 IP is outside of their core areas, so therefore they
17 provide financing to spin that IP out into start-ups or
18 smaller companies who may take that IP and develop
19 actual consumer based products and services.

20 Last, but not least, we have patent based public
21 stock indexes, like the Ocean Tomo Indexes or Indices,
22 and the Patent Board's Wall Street Journal scorecard,
23 and again, those are companies that are facilitating
24 trading and hedge funds that are focused on IP based
25 quant models.

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1 That's a summary of the business models in the
2 evolving IP marketplace, and with that I'll turn it over
3 to my fellow panelists.

4 MS. MICHEL: Thank you very much, Ray, and let
5 me comment: Ray has done a great job of packing a lot
6 of information into a small time and exactly the
7 information we needed to lead off this panel. We do
8 plan to post all the slides on the web site for the
9 conference, so that if you didn't catch it all, you can
10 get it there.

11 We'll turn next to Peter Detkin.

12 MR. MILLIEN: It's a good thing I'm from
13 Brooklyn. I did that in a New York minute.

14 MR. DETKIN: It's been a while since I left New
15 York, so I don't think I can match Ray's speed, but
16 we'll see what we can do.

17 I would like to thank the Commission, Chairman
18 Kovacic, Suzanne and Erika and everybody at the
19 Commission for hosting this panel and for bringing us
20 together to discuss this important topic.

21 There are a wide range of views, a lot of
22 strongly held and sincerely held positions on various
23 issues that surround this evolving marketplace. With
24 that in mind and with full knowledge of the silver
25 tongue oration that is to follow and the held views of

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1 my fellow panelists, I want to see if I can reserve some
2 time for rebuttal here.

3 So you heard from Ray about the market and what
4 is evolving out there. I'm going to talk a little bit
5 about why and Intellectual Ventures' place in that
6 market, so we're going to dive a little bit deeper on
7 one of the models, and I'll touch on some others.

8 Why does the market exist? Like any market, it
9 exists because there's a demand for it. The current
10 market undervalues invention and discourages innovation.
11 I'll get a little more into that, but the simple fact is
12 the objective facts are that markets don't pop up for no
13 reason. They exist because there's a demand for it.

14 Congress is addressing some of it, but as often
15 happens in capitalist societies, the free market is
16 addressing it as well, and I think there's some very
17 interesting questions for the FTC to look at.

18 Let's never forget, I mean, I started this
19 presentation off, and I don't know if you caught my
20 title slide, according to the Constitution, the point of
21 the patent system is to promote the progress of science,
22 and so the key question I think we need to look at is:
23 Are inventors and innovations better off with the new
24 free market models emerging and evolving or not? Let's
25 not focus on individual competitors. That's not what

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1 antitrust law is about. That's not what patent law is
2 about. Let's focus on invention.

3 What are the sources of invention? Quickly,
4 this comes from an SBA report. 60 percent of the
5 patents granted are actually so called small inventors,
6 which is a defined term in the Patent Office
7 regulations. 40 percent are large corporations.

8 Of course, the patent revenues -- I have to be
9 honest, I saw Ray's number. I'm a little distrustful of
10 the \$150 billion number that he put up. I've seen
11 that reported before. However, he also noted that IBM
12 was roughly a billion, and a number that we all know
13 about. I find it hard to believe that if IBM was at a
14 billion, the entire market is 150 billion.

15 So another call, another challenge to the FTC is
16 this discussion needs data. This argument desperately,
17 desperately needs data. There's a lot of anecdotes out
18 there. I remember when this discussion first started
19 four years ago. Everybody was all up in arms about the
20 Dell injunction case, because injunctions was the big
21 issue. In the eBay case, the Supreme Court did what the
22 courts do, which they tweak the law as we all know, and
23 dealt with the injunction issue.

24 But everybody was talking about how Dell had to
25 stop shipping the laptop because of a patent on a modem

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1 that was on a small piece of a modem and meant the
2 laptop got shut down. It turned out the case didn't
3 exist. It was urban myth. There are a lot of urban
4 myths out there. We need data.

5 Looking at the technology marketplace from the
6 user view, that is the large corporate view, the large
7 corporations, Moore's law is almost -- it's an economic
8 law, but it's as immutable as the law of gravity in the
9 semiconductor industry. It also applies in all other
10 industries. There's a lot of integration going on.

11 There's a lot of inventions that are being used
12 by companies that didn't come from those companies. I
13 mean, I'll have to pick on Mallun for a second because
14 she's sitting here, but I'm sure Mallun will tell you
15 that Cisco does not have all the patents on routers and
16 networks.

17 They have a large percentage. It's a very
18 innovative company, but they don't have them all. I
19 know at Intel we didn't have all the patents on
20 semiconductors, a lot of other good companies out there
21 did.

22 So Intel needed access to invention rights, and
23 that's what patents are. They're dry pieces of paper.
24 They represent invention rights. Just like we don't
25 talk about deed law, we talk about land. Patents

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1 represent inventions, and Intel needed access to the
2 inventions of others, and they needed to share IP within
3 an ecosystem, and of course they needed to avoid
4 financial pitfalls. They want to avoid royalty
5 stack-ups.

6 From the inventors' standpoint, they just want to
7 be paid. Inventors want to invent. They don't want to
8 spend years -- you heard Ray talk about, and I'll talk
9 about it a little bit more, the difficulties of being
10 paid. It's hard for somebody to invent, and then if
11 they invent something cool and new and they make a
12 router go 10 percent faster, they're not going to start
13 a company that's going to go compete with Cisco, they
14 would be nuts, but they would like to license it to
15 Cisco.

16 Well, they can knock on Mallun's door and have a
17 nice discussion with Mallun. I sorry, I don't mean to
18 pick on Mallun. I'll pick on Doug at Palm. They can knock
19 on Doug's or Mallun's door and start the licensing
20 negotiation which here's another immutable law. It's
21 another 18 to 24 months. It's interesting, 18 to 24
22 months, Moore's law, that's law of licensing. We'll
23 call it Detkin's law.

24 18 to 24 months in licensing negotiations, I'll
25 guarantee you, but you know what? During that time he's

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1 not inventing, and that's what he wants to do. That's
2 from the small inventor's standpoint, and this is
3 supposed to be an avatar of a friend of mine, who has a
4 patent by the way, and I got it for him. The first
5 patent I wrote in 20 years, and he got what he paid for
6 it. I did it for free.

7 From a corporate perceptive, R&D budgets are
8 under pressure. Patent portfolios are underutilized.
9 People invent things that they don't use. They have the
10 rights to them. They have a right -- the shareholders
11 have a right to see a return on those inventions, but
12 it's something the corporation is not currently using,
13 and of course patent enforcement is not for the faint of
14 heart or small of pocketbook.

15 What that leads is kind of a big guy versus
16 little guy syndrome. Big companies frankly benefit from
17 a disorganized market. They take a viewpoint that
18 whenever you go to one of the patent law focused
19 conferences, not one that's like this, you go to patent
20 law focused conference and there's always a panel on how
21 to avoid paying? What are the latest techniques? What
22 are the new reexamination techniques for keeping those
23 patents in the Patent Office forever? What are the
24 techniques for -- who are the best courts to go to? Who
25 are the best courts not to go to?

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1 As I said, Detkin's law, 18 to 24 months of license
2 negotiations, litigation of at least two to seven years, and
3 of course, if you don't like the law, try to get it
4 changed.

5 Small inventors have few options. Ray talked
6 about this eloquently, but there is no market to get the
7 inventions for that guy who made the router go 10
8 percent faster. He's got no efficient way for getting
9 that license to Cisco. He's got a hard choice. Does he
10 keep inventing or does he go try to negotiate with Cisco
11 or Palm or whoever?

12 That leads, by the way, to a swing from the
13 fences mentality. If I'm going to litigate, I'm going
14 to ask for a lot of money because I have got no choice.
15 It's a two to seven year long slog that leads to the
16 so-called troll syndrome.

17 This was all analyzed by a professor, I hope I
18 don't mispronounce his name, Elhauge, a professor at
19 Harvard Law School who wrote a very influential paper,
20 copies will be available in the back, and he examined
21 using language that only economists can love with lots
22 and lots of formulas, but his conclusion was that the
23 current system of damages leads non-inventors to
24 appropriate patents for less than their value, thereby
25 discouraging investment in invention.

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1 This was a direct response to the Shapiro-Lemley
2 paper that was published I think a year or two ago, and
3 it's a really very interesting article. I commend it to
4 everyone studying in this field.

5 I understand Professor Cotter has written a
6 reply or a reply of sorts that he'll be discussing this
7 afternoon. I haven't had a chance to read Professor
8 Cotter's reply. He just promised to send it to me. The
9 point is, clearly there's room for debate on this issue.

10 I'm sure that Professor Lemley disagrees with
11 Professor Elhauge's conclusions. I believe Professor
12 Cotter does as well. Reasonable minds can differ.
13 There is some serious debate to go on here, and I don't
14 think anybody would call any of these professors
15 unreasonable minds.

16 How do we restore balance, which is what we're
17 all here to discuss? Well, there is a lot of lobbying
18 going on as we all know. I mean, this is not a secret
19 to anybody in this room. Some of the folks, staffers
20 from the office came here for a break from the lobby,
21 and I see them in the audience.

22 Patent law changes are under review, and talk
23 about a timely bullet, the *Tafas* case is being argued I
24 believe, even as we speak. Judge Rader, by the way, is
25 leading the panel, if anybody's curious. There's

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1 significant legislative reform under discussion.

2 Interesting, the FTC, of course, published its
3 report in 2003, which everybody now holds up and says,
4 This proves the need for reform, but if you look at the
5 reforms that are proposed in the FTC report, it has no
6 bearing whatsoever on reforms that are in the current
7 drafts of the legislation, so I would urge folks before
8 they use that as a basis for reform to actually read the
9 FTC report.

10 There's a lot of claims that are out of control,
11 filings and damages awards. Again we need data because
12 the fact is litigations are down or flat in the last
13 several years. Dan McCurdy's own web site has year to
14 date as of 2008 data. It shows that NPE litigation is
15 only 4.5 percent of overall 2008 patent suits. There's
16 no evidence of out-sized settlement or damage awards.
17 There's been no proof the Georgia Pacific factors don't
18 actually work. Of course the Supreme Court and the
19 courts generally are becoming more active in IP. I don't
20 need to belabor that point. I believe this audience is
21 well familiar.

22 So what do we need to do going forward? We need
23 to continue to remember that patents protect ideas, not
24 products. We need to focus patent law on idea
25 protection, not on what's right for the product

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1 manufacturer. We need to provide incentives to
2 inventors. We don't want to facilitate market share
3 protectionism and continue to activate the free market
4 forces that Ray so eloquently spoke of and so quickly.

5 Talking a little deeper about inventions and
6 developing asset class, traditional asset classes, you
7 have venture capital, which is capital stimulating
8 creation. There's been a 77 X growth since 1980. VC-
9 backed companies -- this is a study as of last year so
10 the numbers may be a little out of date, but you get the
11 idea. It's a very large percentage of the U.S. GDP.

12 Private equity, that's an effort to unlock a
13 potential of existing assets. You provide the capital.
14 You provide the expertise. It's at a huge growth. Now,
15 this number is definitely old because God knows what
16 this number is in light of recent events, but still,
17 it's a very large market.

18 Invention capital is somewhere in between
19 investing in invention. It's a combination of both
20 investing in new assets and investing in existing assets
21 and bringing them to their full potential.

22 These are some of the models out there. I'm not
23 going to talk about these at all because Ray covered it
24 already. Professor Elhauge had a very interesting
25 conclusion, and this should be common sense to everybody

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1 in the room. Non-competitors, non-practicing entities
2 actually have less incentive to overcharge for IP as
3 compared for competitors because there's no competitive
4 so-called tax or rent that they'll seek to include.
5 Again I encourage people to look at that article.

6 Who is Intellectual Ventures? Well, we build,
7 buy and partner. I have 30 seconds to get through this,
8 and I will.

9 MS. MICHEL: We have time.

10 MR. DETKIN: We do all three.

11 We build our own inventions. We have a state of the art
12 laboratory. We have many engineers on staff who are
13 devoted to nothing but inventions. We buy
14 inventions from others. Folks come to us and say, I
15 have invented something cool, I want to go back to
16 inventing, will you help me monetize this. We have
17 capital for that.

18 We partner with others. We work with research
19 institutions around the world. Our research model looks
20 remarkably like Cisco's, like Palm's, like HP's, like
21 Intel's. We all build, buy and partner. The difference
22 is we don't make product out of it. We're not
23 embarrassed by that. We're not apologizing for that
24 fact.

25 We don't think we have distribution expertise.

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1 We don't have manufacturing expertise. We don't have
2 marketing expertise. We want to let a thousand flowers
3 bloom. We non-exclusively license and let our licensees
4 do that heavy lifting.

5 We have about \$5 billion under
6 management, and let me correct a misconception that's
7 out there. That does not mean we spent \$5 billion.
8 I've read some blogs where people said, Oh, my
9 God, they've spent \$5 billion, there's a
10 bubble, I can't believe that, they'll never get a
11 return. We haven't spent \$5 billion. We have \$5
12 billion under management, big difference.

13 Of the amount that we have invested, 20 percent
14 has gone to individual investors, by the way, and the
15 rest has gone to corporations to reimburse them for
16 their -- to help them monetize their inventions, but we
17 are helping both the small inventor and the
18 corporations, and we've generated over \$1 billion
19 in license revenue already, and yes, we've done that all
20 without any litigation.

21 We see about 30,000 assets per year, and we
22 currently own about 20,000 plus assets. Assets are both
23 patents, patent applications and foreign assets as well,
24 and we've filed thousands ourselves.

25 We believe we are making it easier for buyers

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1 and users to engage. From a patentholder perspective,
2 they receive fair compensation. That person will figure
3 out a way to make that router go 10 percent faster. He
4 gets his money. He gets to go back and invent, which is
5 what he wants to do. We think it's a market alternative
6 to him being forced to go to litigation.

7 From the user perspective, it enables them to
8 deal with us. I mean, if we were to license all 20,000
9 assets to a particular company, they can either deal
10 with us or they can deal with 20,000 individual rights
11 holders. That's the so called gridlock economy, and
12 that's what we think we're solving, because they don't
13 need to go deal with all the individual right holders.
14 They can just deal with us.

15 I'm almost finished. You don't have to put up
16 the stop sign.

17 So the real question for the FTC is: Are
18 investors better off than they were five years ago? I
19 believe the answer is yes, and notwithstanding that stop
20 sign, I still think I've reserved some time for
21 rebuttal. Remember, patents protect ideas, not product.

22 Thank you very much.

23 MS. MICHEL: We'll now turn to Dan McCurdy, and
24 there will absolutely be -- following all our panel
25 presentations, we'll be having a discussion among our

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1 panelists which I'm looking forward to. Dan?

2 Dan, we started a little early so a couple extra
3 minutes is absolutely fine.

4 MR. DETKIN: Sure, you tell him that.

5 MS. MICHEL: Sorry, Peter.

6 MR. MCCURDY: Thank you very much. Good
7 morning. I'm Dan McCurdy. I'm CEO of Allied Security
8 Trust and chairman of PatentFreedom, and, Peter, thank
9 you very much for your comments. Where do I begin?

10 I appreciate the opportunity to appear before
11 you today. My remarks are taken from a larger paper I
12 have just completed for the Center For American
13 Progress, which we published for January the 12th, and
14 which will be discussed at a panel on patent reform
15 which I will moderate on that date being sponsored by
16 CAP.

17 The United States is, of course, in the midst of
18 a financial crisis. That's no surprise. Innovation
19 will be critical to restore the long-term economic
20 health and prosperity of our country. Innovation, as a
21 key to prosperity, has long roots in the United States.

22 The basis for the patent system was not the
23 protection of individual rights to inventions *per se*,
24 but rather the promotion of economic development in a
25 young and ambitious country. Patents would facilitate

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1 investment and innovation by helping to ensure that the
2 patented products or services that were the fruits of
3 that innovation could not be copied by others, thereby
4 undermining a return on the investment that made it
5 possible.

6 In recent years, much in the practice of
7 intellectual property management has changed in ways
8 that are inconsistent with the public policy objectives
9 that were the foundation of the patent system. Left
10 unchecked, some of these new approaches threaten to
11 undermine the patent system and our prospects for
12 renewed economic growth.

13 By far, the most significant and destabilizing
14 change in the patent environment since 2003 has been the
15 dramatic increase in the growth, financing and patent
16 acquisitions of non-practicing entities, sometimes
17 called patent trolls, a phrase, of course, coined by my
18 friend Peter Detkin.

19 NPEs derive or plan to derive all our most of
20 the revenue from the enforcement of patents. They are,
21 therefore, distinguishable from major research
22 institutions, universities operating companies which
23 respectfully derive their revenue from funded research,
24 tuition grants and the sale of products and services.

25 Some NPEs raise large funds from which to

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1 purchase the patents they seek to enforce building these
2 purchased portfolios around already highly successful
3 products. They then use these funds to enable, through
4 direct or veiled threats of infringement, their pursuit
5 of royalties as a tax on these successful products. To
6 be clear, they are not protecting revenues derived from
7 their own products but rather seeking a toll from
8 successful product companies.

9 It is my prediction that because patent
10 licensing is inherently selling a product that no one
11 wants, litigation will be required to achieve a level
12 routine investors and NPEs expect. From October 1, 1994
13 through September 30, 2002, 527 patent lawsuits were
14 filed by or against 219 NPEs currently identified and
15 tracked by PatentFreedom. This represented 2.7 percent
16 of patent lawsuits filed in the United States during
17 that eight year period.

18 From October 1, 2003 through December 30, 2007,
19 there were 1,210 lawsuits filed by or against these
20 entities, representing approximately 8.4 percent of all
21 patent lawsuits filed in that period, which now exceeds
22 10 percent in both 2006 and 2007.

23 The number of unique operating companies sued
24 for patent infringement by an NPE grew from 43 in 1996
25 to 1,260 in 2007. The number of litigations by NPEs

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1 against operating companies grew from 17 in 1995 to 343
2 year to date 2008. With patent litigations averaging \$5
3 million in cost to each the plaintiff and the defendant,
4 the loser in this process will be operating companies,
5 consumers, competition, since many smaller companies
6 could be driven out of business by expenses of these
7 magnitude, and an overburdened court system.

8 Today the 219 NPEs currently tracked by
9 PatentFreedom combined have more than 800 subsidiaries,
10 likely at least 1,500, of all Intellectual Ventures
11 subsidiaries that are known, and more than 12,500 active
12 and U.S. patents in their holdings. In all likelihood,
13 these numbers dramatically understate the magnitude of
14 the problem.

15 Intellectual Ventures is unique by virtue of its
16 capital structure, its collection of signatory operating
17 companies, its public relations capabilities, its
18 leadership and its patent portfolio. Beyond
19 Intellectual Ventures, the remaining 218 NPEs currently
20 identified and tracked by PatentFreedom have varied
21 backgrounds.

22 Some like Acacia Technologies, Alliacense and
23 Rembrandt Technologies are primarily patent enforcement
24 entities that are highly selective in their purchases.
25 Other NPEs such as First Technology, Rival Star, Cygnus

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1 Telecommunications Technology LLC, Freedom Wireless,
2 Millenium LP and Rates Technology, primarily or
3 exclusively license patents created by their employees
4 and/or owners as their primary source of revenue.

5 A third category involves individuals enforcing
6 their own patents, but who generally do not practice
7 their inventions in their own products or services.
8 Because these entities and individuals do not make or
9 sell products, there is some question as to how their
10 enforcement activities contribute to the first principle
11 underlying the creation of the patent system, to
12 encourage economic growth.

13 The creation of an idea is frequently the least
14 costly and least time consuming aspect of product
15 success. Development budgets vastly exceed research
16 budgets in research and development intensive companies.
17 Much more time and substantially more investment is
18 required to commercialize a product or service embodying
19 an invention than to create the invention in the first
20 place.

21 For example, when I was director of business
22 development for IBM Research, the global development
23 budget exceeded the global research budget by about 20
24 times. Even this were not the case, the tremendous
25 financial and tactical advantages NPEs have over their

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1 operating company targets are huge. When one operating
2 company asserts patents against, both have the
3 opportunity to reduce or eliminate the assertion by
4 counter asserting patents of their own against key
5 products of the aggressor.

6 Injunctions on key products are also a
7 possibility. This has a stabilizing impact by
8 discouraging frivolous or speculative assertions. These
9 tools are not available to an operating company when
10 confronted with patent assertion from an NPE.

11 This fact was recognized by Mr. Detkin in the
12 last Federal Trade Commission hearings when he stated:
13 "These guys have no threat of counterclaims. It's the
14 ultimate asymmetry of risk, and even better, they demand
15 an injunction, which boggles my mind."

16 In fact, an NPE is actually rewarded with these
17 immunities as a result of choosing not to pursue
18 progress or services using their invention or failing to
19 successfully produce and sell such products and
20 services. This can actually serve to diminish
21 competition and increase prices to consumers by
22 rewarding entities not to put products and services in
23 the market but rather tax those that do so.

24 Some NPEs argue that their presence provides
25 needed liquidity to inventors that may otherwise never

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1 obtain any return on their investment, spurring those
2 inventors to further innovation. It is hard to credit
3 that argument when most NPEs offer such trivial rewards
4 to the inventing seller of a patent.

5 NPEs with hundreds of millions or billions of
6 dollars in capital pay inventors a small fraction of the
7 money they seek to obtain in subsequent enforcement
8 activities. It's hard to imagine that the prospect of
9 netting so small an amount will on its own stimulate
10 further innovation.

11 In fact, NPEs could alter their behavior if they
12 truly believed that their objective was to be an
13 advocate and defender of the small inventor. They
14 could, one, attempt to enforce only those patents that
15 they could demonstrate were clearly valid and infringed,
16 fully applying a Rule 11 standard.

17 Two, they could avoid predatory massing of
18 patents through acquisition that is intended to
19 overwhelm a potential licensee. Three, they could
20 practice full disclosure and transparency in their
21 funding, patent holdings and practices, and, four, they
22 could commit to the return of the majority of royalties
23 to the origin investor/inventor that created the
24 technology.

25 Though they would still remain a dangerous

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1 threat with significant advantages over operating
2 companies, these changes would help level the playing
3 field.

4 In summary, NPEs that amass fortunes by using
5 purchased patents to tax those that commercialize
6 innovation raise costs to consumers and stifle
7 innovation. These effects hardly promote the public
8 policy on which the patent system was created, but for
9 the government's grant of a patent, the sole means of
10 exploiting an invention is to put it in a product and
11 offer it for sale.

12 Fostering the commercialization that spurs
13 economic growth must certainly be at least as important
14 as fostering innovation. NPE's damage invention and
15 commercialization by exploiting their unfair advantage
16 in the market. They increase barriers to entry for new
17 firms that might otherwise lower prices through
18 competition and they threaten the viability of existing
19 firms that could increase competition and lower prices.

20 Thank you very much.

21 MS. MICHEL: Thank you, Dan. Now we'll here
22 from Mallun Yen from Cisco.

23 MS. YEN: Thank you, Suzanne. Thank you, Erika.
24 I appreciate the opportunity to participate in today's
25 hearings, and I want to thank the FTC for its leadership

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1 in focusing attention on the need to make our patent
2 system more effective.

3 Cisco has a key interest in innovation and in
4 the important incentive the patent system provides. Our
5 inventions are at the center of the Internet's role as
6 the ubiquitous worldwide communication medium. Cisco
7 invests more than \$5 billion annually in R&D. We
8 have more than 5,000 issued U.S. patents, and more than
9 5,000 more pending.

10 Our patent portfolio is consistently ranked
11 number 1 in the telecommunications sector by the Patent
12 Board, and we innovate both through internal R&D as well
13 as by acquiring companies, 130 by my last count, most of
14 which are start ups that compliment and enhance our
15 business as well as our internal innovation.

16 So we follow changes in the intellectual
17 property marketplace very closely, and we're very
18 concerned about the recent developments. Increasingly,
19 activity in the marketplace is driven not by increased
20 innovation but by efforts to exploit imbalances in a
21 patent system that overvalues patents, particularly weak
22 ones, and thereby actually suppresses marketplace
23 innovation.

24 Much of today's patent market is based on the
25 buying of patents in order to profit by compelling a

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1 royalty payment from successful product companies that
2 have actually commercialized their innovations. An
3 increasingly common approach we've seen is to accumulate
4 new patents from each target with which the plaintiff
5 settles, which then, in turn, get immediately asserted
6 against another company, which fuels the cycle even
7 further. The consequences for innovation are
8 potentially just as dire as the injury we've seen to our
9 financial system. Patent laws created to promote
10 innovations are being used to drain funds from
11 innovators, harming our economy.

12 So in preparation for these hearings, I reviewed
13 the FTC's 2003 report which recognized the potential
14 harm to innovation from a surge in licensing demands.
15 What the FTC wrote in warning about the proliferation of
16 patents, this was five years ago, is: "Innovators and
17 manufacturers may have to choose between the risk of
18 being sued for patent infringement, after they sink
19 costs into invention or production, or dropping
20 innovative or productive efforts all together. Either
21 option can injure economic welfare."

22 So this is precisely what has become a reality
23 today, and a lot has happened since the report issued in
24 2003. As we have heard, we've seen an almost irrational
25 exuberance in business models that attempt to make money

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1 from patents, and these models largely developed in the
2 last five years.

3 Cisco's history in patent infringement actions
4 as a defendant demonstrates this trend. In 1998, Cisco
5 received its first patent infringement lawsuit, and the
6 cases that followed in the next couple of years were
7 brought entirely by other competitive operating
8 companies that built products and services and developed
9 their inventions in-house.

10 So what you can see in this chart is a dramatic
11 rise in the volume of cases brought directly or
12 indirectly against Cisco in the past five years,
13 including the quadrupling in the past five years, and by
14 the way, none of the cases filed in the past five years
15 involved a competitor, and virtually all of these cases
16 have been with non-practicing entities.

17 In many of these cases the plaintiffs are not
18 the original assignees or the inventors of the patents.
19 Instead they purchase the patent in the marketplace for
20 the sole purpose of litigation or the threat of
21 litigation and never intended to make or sell any
22 products or services.

23 So in addition to these lawsuits, we receive
24 many demand letters as well as an increasing number of
25 offers inviting Cisco to purchase patents. These

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1 requests come at a rate of five to ten per week, and we
2 look at every one of them, including the friendly
3 request to buy patents rather than license, and in
4 several of the cases where we've declined to buy the
5 patents, the patent holder has sued us very shortly
6 thereafter, and we have other cases where the patent
7 holder then sells the patent to a third-party who also
8 then very shortly thereafter sues us.

9 So some of these plaintiffs seek an amount that
10 is just under the cost of litigation, knowing that with
11 such uncertainty in the system, a company must seriously
12 consider resolution under such terms, and other
13 patent holders make huge demands based on a system that
14 does allow for jackpot type victories.

15 Indeed, we've had demands as high as \$8.8 billion,
16 and, in fact, there was actually a meeting where
17 a plaintiff literally demanded, I quote, a gazillion
18 dollars, not kidding. We almost pulled out our
19 checkbook right there and wrote a gazillion.

20 Inevitably, these patent holders, these plaintiffs
21 also seek treble damages for willfulness, even though
22 the first time we've ever heard of the patents are years
23 after the products have been developed, and indeed
24 sometimes the claims have been written years after the
25 products have been developed. Generally the first and

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1 only notice we've ever received of these patents are
2 when we receive the offer to purchase their patents.

3 So even when infringement allegations are
4 baseless, the cost of defense are extremely large for a
5 technology companies. I did a poll of some of the other
6 large technology companies, and the defense costs range
7 on the low end from \$4 to 5 million, for a
8 relatively small simple, one patent case, to well over
9 \$25 million for a more expensive case, with the
10 average being between \$5 to 10 million for most cases.

11 Additionally, every assertion we receive
12 distracts our engineers from innovation and productive
13 efforts. The valuation of patents requires a
14 significant amount of time that would otherwise be spent
15 on developing new products, not to mention the time
16 consuming prior art searches, discovery requests,
17 depositions, testimony and travel to far away
18 jurisdictions.

19 So to be clear, despite what Peter says, when a
20 licensor presents a legitimate claim that we are using
21 or could be using their patented invention and the
22 royalty expectations are reasonable, we absolutely
23 voluntarily license the patents and do so very quickly,
24 well under the time frame that Peter mentioned, but more
25 often the assertions that we receive present patents of

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1 questionable validity and weak arguments of infringement
2 and yet request royalties of a magnitude far beyond the
3 value, the fair value of the alleged use of the
4 invention in our product.

5 So when our engineers and experts take a look at
6 the patent and they tell us that this has nothing to do
7 with our product or it's very clearly invalid, we still
8 can't ignore such a patent. The odds are stacked
9 against invalidating even weak patents. Further, there
10 is uncertainty in the calculation of damages, especially
11 in light of current law, and these factors together
12 conspire to raise risk levels throughout unmeritorious
13 settlements, and hence fuel the cycle even further.

14 So as a rational business, we have to evaluate
15 the downside if we lose. Plaintiffs regularly seek a
16 percentage of the total value of the product that is
17 allegedly infringing rather than the value of what was
18 actually invented, which in many cases might be a minor
19 feature of a particular product, so this was
20 demonstrated by the recent jury award of over \$500
21 million against Microsoft.

22 So even though the accused feature was the -- if
23 you go into the auto date picker feature within Outlook
24 when you're scheduling an appointment, if you float your
25 cursor over the date, a little drop down calendar will

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1 appear, so that is what the alleged patent -- the patent
2 allegedly covered.

3 So the plaintiff in that case was permitted to
4 ask, seek from the jury an award of damages based on a
5 percent of the overall Outlook program, with all of its
6 many features and functions, and this followed shortly
7 after a jury awarded \$1.5 billion for
8 infringement by Microsoft of a patent alleged to be
9 infringed by an aspect of an MP3 player which was within
10 an overall PC, although this award was overturned by the
11 Court.

12 So with this type of potential downside, while
13 one might prefer to fight these baseless assertions on
14 principle or to deter opportunistic actors, effective
15 risk management for corporations unfortunately requires
16 that in more cases than we want to, we settle, and the
17 money that we use for settlement or that we pay for
18 attorneys' fees not only continues to fuel the frenzy,
19 but it also directly impacts innovation, in that it
20 takes away -- absolutely takes money away from resources
21 such as hiring engineers and funding new R&D efforts.

22 So one might ask: Why can't we simply avoid all
23 these issues by analyzing the patent landscape before we
24 design a product and simply design around all these
25 patents? Well, the reason is simple. It is impossible

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1 to achieve any degree of certainty by such clearance
2 searches with today's systems.

3 Beyond the sheer quantity of issued patents in
4 our field, in fact I did a search and in the last year
5 alone, if do you a search on wireless and Ethernet,
6 3,400 patents issued in the last year. Beyond this, the
7 current patent system also allows patent-holders to
8 construe claims so broadly that a reasonable product
9 company would often never recognize most of the patents
10 that ultimately are asserted in speculative litigation.

11 Even if we could identify such patents, this
12 knowledge would likely later lead to a claim of
13 willfulness, even post-*Seagate*, on a patent that was not
14 relevant to our product development. So the end result
15 is the exact opposite of the patent systems's purpose,
16 innovation is discouraged.

17 The money to pay unjustified settlements is
18 taken away from R&D and promising technologies, and the
19 added costs ultimately are passed on to the consumer,
20 and more troubling perhaps is the lost opportunity for
21 new products and services that would lead to new jobs
22 and the bolstering of America's technological
23 leadership, so we need to reform the system. The most
24 important change we can make is to ensure that damages
25 are based on the fair economic value of the innovation

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1 that gave rise to the patentability.

2 Now, there's been a lot of discussion and debate
3 on this issue, but at the end of the day, the question
4 is simple: What was actually invented and what value
5 does the true innovation add to the product?

6 To that, to answer that question, the place to
7 start is the value of the invention rather than the
8 value of the product, and for illustrative purposes let
9 me give you an example.

10 If I invent a new tire, is it reasonable that I
11 can pursue a percentage of the \$25,000 car because the
12 tire is incorporated in the car when it is sold? No
13 reasonable person would accept this premise, and yet
14 that is the current practice in the high tech patent
15 world.

16 So as an innovator and patent holder, we are in
17 favor of a strong patent system that rewards innovation
18 and promotes competition. The patent marketplace will
19 continue to exist and will in fact be strengthened by
20 reform. There will always be demand to trade patents,
21 to aggregate them and for other reasons, but the value
22 of patents should reflect the true value of what was
23 actually invented.

24 So we look forward to the FTC's continued work
25 on the patent system. There is a real opportunity to

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1 once again drive productive change. If there is a more
2 balanced system, then expectations will be more
3 reasonable, and real patents will continue to thrive and
4 be even more readily licensed.

5 So the result will be a robust and more
6 efficient marketplace with transparency that fairly
7 values patents, and that's something that's good for
8 innovation and competition.

9 Thank you.

10 MS. MICHEL: Mallun, thank you very much, and
11 finally to wrap up this portion is Brian Kahin.

12 MR. KAHIN: Do I have to control this.

13 MS. MICHEL: Yes, just hit the arrow I think.

14 MR. KAHIN: Okay. Well, I'm delighted to be
15 here. I'm going to take a little bit different
16 perspective. I've heard a lot of things that I agree
17 with, surprising amount of things that I agree with, and
18 talk about some of the intentions within the system,
19 within more of a policy framework rather than an
20 individual enterprise framework.

21 So I'm first going to offer you this quote from
22 Judge Rich, which I think expresses a perspective on the
23 patent system that underlies a lot of the jurisprudence
24 of the Federal Circuit. This is something he said many,
25 many years ago, and I would describe this as a legal, a

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1 very legal, narrow legal perspective on the patent
2 system as a right in a particular case.

3 The problem with this perspective is that, one,
4 it assumes that the patent is an asset, and that colors
5 a lot of thinking about patents that is ultimately very
6 confusing because a patent is not a right to an
7 invention. A patent is basically, from an economic
8 perspective, an option to sue. It's a right to exclude,
9 and Judge Rich does not seem to recognize the liability
10 that a patent can create when he said this.

11 What I think is one of the really remarkable
12 achievements of the FTC study back in 2002-2003 was to
13 attempt to integrate economic and legal perspectives on
14 the patent system, and they came up with this
15 significant recommendation. We have a long ways to go
16 to making this happen, as witnessed the apoplectic
17 response of the American Intellectual Property Law
18 Association response to this recommendation.

19 So what I want to offer you is a framework for
20 analysis, and it's not just the economic perspective or
21 the legal perspective that Judge Rich presented with the
22 economic perspective, which is a systemic perspective.
23 It is something in between. There is something in
24 between, which is what most of these presentations have
25 been focused on, and that is business practice. How do

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1 you get from the individual patent to the systemic
2 effect?

3 I also want to point out that even when you get
4 to the system, you're really only talking about the
5 patent system, and patents are intended to promote
6 innovation, so if you really wanted to look at this
7 correctly, you have to look at the patent system in
8 context, in the context of other innovation models, like
9 the development of standards, like open source and
10 software, and different means of appropriating returns
11 from invention.

12 There are a number of those. Even though you
13 may be told that people will not invent without patent,
14 you look at the Carnegie-Mellon survey of '94-95, and
15 you see there are a lot of other reasons that people can
16 have confidence that they can appropriate returns from
17 invention, and that patents is not the top reason,
18 except in the pharmaceutical area.

19 So even within, going back and focused now on
20 the MESO level, what I call the MESO level here,
21 business practice, there are different levels, and
22 Raymond gave us an excellent overview of business
23 models. I want to focus a little more on strategy,
24 particular practices and what drives them.

25 So here are the patent uses identified in the

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1 Carnegie-Mellon survey: Preventing copying, 99 percent.
2 So that's kind of the classic notion that patents are an
3 adjunct to technology, that they're there to protect
4 against unscrupulous innovators, and I note though that
5 this is asked of manufacturers' R&D managers, so this is
6 a particular perspective. This did not ask lawyers. It
7 did not have other kinds of business like technology
8 development companies.

9 It's also important to point out that the
10 Carnegie-Mellon survey was the third of a series of
11 surveys, the Mansfield, Yale and then Carnegie-Mellon,
12 and we haven't had anything of this scale in 15 years,
13 despite the remarkable changes in patent practice.

14 So I am offering these as examples of creative
15 uses that were not reflected in the Carnegie-Mellon
16 study. I'm just going to leave that there and not say
17 anything more about these, although a lot could be said
18 about these individually. You can look them over, and I
19 will have a draft written statement that lays these out
20 as well.

21 Now, what I really want to focus on is
22 information failure because I think this is what's
23 driving a lot of the problems we're having in the patent
24 system, and here again is a laundry list of the sources
25 of information failure, and a lot of these have been

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1 talked about individually.

2 The problem has not been looked at systemically,
3 and this explains why we have such an opaque system. We
4 don't have data, so I agree 100 percent with Peter that
5 we need data. We don't have it. We have funny data.
6 We have the problem of: How do you evaluate cross
7 licenses? Do you value them by the balancing payments
8 that are made, or do you value them by imputing value on
9 barter to every license from both sides?

10 That's the fundamental problem, and that lies at
11 the heart of that funny \$150 billion a year
12 figure. There's a paper by Carol Robbins at the
13 Department of Commerce that lays that out, makes
14 incorrect conclusions, but it's worth looking at, and
15 that is a big problem.

16 So behind this we have a tension between two
17 different kinds of value. We have the value as
18 reflected in the cross license, which you can see is
19 undervalued if you want, and you can see the value in
20 the hands of the entity, the non-practicing entity. You
21 can call one the freedom to operate value, and you can
22 call the other the value extraction value, and the value
23 extraction value tends to be a lot higher than what the
24 patent is worth for freedom of operation.

25 So here's an example of the opacity. This is

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1 one of my favorite quotes from the 2002 hearings from
2 Frederick Telecky of Texas Instruments. He was saying
3 this in the context of - we can't do searches to
4 disclose the standards process because we have no idea
5 what we have, but you can imagine that if TI has no idea
6 of what it has in its own portfolio, how does a company
7 know what's in the dozens of portfolios and tens of
8 thousand of NPEs or technology company patents that are out
9 there? It's an impossible problem, and it discriminates
10 against all but the largest companies who can
11 conceivably manage that kind of knowledge.

12 Here's Mark Lemley expressing the problem more
13 recently. What's the solution in component industries,
14 and that's IT, you ignore patents, totally contrary to
15 the popular image of the patent system, totally contrary
16 to the principle of disclosure that supposedly underlies
17 the patent system.

18 So the underlying dynamic is we've got a very
19 opaque environment rife with information deficiencies of
20 all kinds. Information deficiencies drive information
21 asymmetry. Some people know more than others. Some
22 people will pay to find out more than others. Some
23 people build business models knowing a lot about
24 particular patents.

25 Operating companies are focused on creating

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1 products for the market, and you can see that
2 cross-licensing is a way of not only getting freedom of
3 action, but by not spending a lot of time and resources
4 on evaluating patents. Your stack is this high. My
5 stack is this high. Pay me this.

6 Arbitrage, when you have information asymmetry,
7 you naturally get arbitrage. There is benefit from
8 moving patents from a low value environment,
9 cross-licensing environment, to a high value
10 environment, asserting individual patents, so that
11 becomes an important business driver.

12 That's why we see patents which were originally
13 committed to RAND licensing being asserted against
14 companies that are using the standard because they've
15 moved out from under a portfolio and into the hands of a
16 specialist.

17 So when you have arbitrage, you actually have
18 incentives to secrecy, so I was discussing with Peter
19 this morning the troll metaphor, and I went back and
20 researched Three Billy Goats Gruff to make this point
21 because it's not just a bridge. It wasn't a bridge as a
22 bridge. It was a bridge with a troll hidden under it,
23 and so the problem is being surprised, so there's an
24 incentive to surprise.

25 There's incentive not to disclose your patents

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1 to a standard setting organization. There's an
2 incentive to hold back your patents until the technology
3 represented by the patent is embedded in a product or a
4 standard or the marketplace, and this is leveraging
5 against the sunk costs, the investments as Dan was
6 describing and Mallun that operating companies make that
7 isn't connected with the individual inventions.

8 There's a lot that goes into IT products in
9 terms of design, in terms of integration, in terms of
10 marketing and so on that is entirely independent of the
11 value of underlying inventions if you can identify
12 those. So when you put those two together, you get
13 ambush, surprise, multiplied by somebody else's
14 investment in sunk costs, and so the way the system is
15 operating in many contexts is to promote ambush.

16 So my final conclusion is we have the irony of a
17 patent system that purports to promote public disclosure
18 actually promoting secrecy and secretive behavior, and
19 we have a major problem of opacity and evaluation, and
20 part of the case for data is that we ought to know a lot
21 more about this.

22 These are not credit default swaps that the
23 private sector has come up with. These are public
24 grants of rights that the public should have an interest
25 in understanding not only what we look like on paper but

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1 how they're used in practice.

2 Thank you.

3 MS. MICHEL: Just hit page down I think. All
4 right. Thank you. Great.

5 MR. KAHIN: I can't get your symbol back.

6 MS. MICHEL: That's all right. That's all
7 right. Chris will do it. Is Chris here?

8 Thank you. That was very interesting. I think
9 our panel has done an excellent job today of bringing in
10 a wide variety of perspectives on these issues coming
11 from the very practical level of what's happening to the
12 very high policy level of how should we think about it.

13 Now, I think I misspoke when I called this the
14 rebuttal portion of the program. It's actually the
15 discussion part of the program, and I'm happy to lead
16 off, but also, this is for our panelists to discuss with
17 each other, so would any -- Peter?

18 If you can also turn up your table tent when you
19 want to speak so that we can take turns in an orderly
20 fashion, but, yes, Peter we would love to hear your
21 remarks on what you've heard.

22 MR. DETKIN: We only have an hour or so so I
23 don't know if I reserved enough time for everybody.

24 MS. MICHEL: 35 minutes.

25 MR. DETKIN: Dan led off his remarks by calling

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1 the management of Intellectual Ventures, I think the
2 word he used was unique. I'm not sure quite how to take
3 that, Dan. Hopefully, I'll at least demonstrate it's my
4 ability to take slings and arrows, which were coming
5 pretty fast from my fellow panelists. I did my best to
6 take some notes, and I apologize if my response is not
7 going to be polished because I have not had a chance to
8 see Dan's papers or having heard Mallun's comments ahead
9 of time.

10 MS. MICHEL: I suspect you knew what was coming.

11 MR. DETKIN: No, I didn't know about Mallun, and
12 I applaud the fact that Dan is making an effort through
13 PatentFreedom to bring some data to the discussion. I
14 may disagree with his conclusions. This won't surprise
15 anybody. I do disagree with many of his conclusions.

16 I believe that some of the data he is looking
17 for is perhaps intended to support some conclusions, but
18 none the less the effort's there. I think Brian
19 supports me in saying this is something that's
20 desperately needed in the debate.

21 However, I also think that, I don't know if they
22 realize this, but both Dan and Mallun I think gave a
23 very eloquent argument in favor of the emerging market.
24 They both said that -- I think Dan used the word
25 stabilizing, Mallun used the quote from -- I forget

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1 where it was from, about how the patent system could
2 cause people to drop innovation, innovative or product
3 productive efforts.

4 The fact is that in I think seven or ten
5 hearings and countless roundtables, not a single CEO or
6 a single head of R&D ever stood up in the IT field and
7 said, I'm not developing a product or I cut down in R&D
8 effort because of patents. There's not a single company
9 that has ever said because of patents, we had to pay
10 material amounts of money.

11 The RIM case might be the exception, and the RIM
12 case of course everybody knows about it. Oh, my God, it
13 was \$600 million. You know what? It's a big
14 number because it's a big market. That deal was a steal
15 for RIM. They are selling tens of billions of dollars
16 worth of product, for which they paid for patents that
17 were found infringed, woefully infringed, upheld on
18 appeal. They paid a few million dollars.

19 I don't mean to -- especially today, while
20 they're talking about billions over at the other
21 building for the car companies, I don't mean to
22 disparage the amount of \$600 million, but as
23 compared to the tens of billions of dollars that RIM
24 makes every year in the infringing sales, I think it's a
25 pretty big deal, and more importantly there's nothing

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1 destabilizing about the system as it exists.

2 Interestingly, Dan then also argues that we're
3 not paying folks enough. So where Dan agrees with me,
4 and I don't have to encourage Dan to speak up if I'm not
5 saying it right because I'm sure he will, but innovators
6 deserve to be paid. There's no question about that. We
7 want the economy to -- I mean, I can put up quote after
8 quote from Greenspan or Bernanke or pick your
9 favorite economist. Innovation is what drives this
10 economy. People that innovate deserve to be paid.

11 I see a couple of economists in the room, and
12 hopefully, at least a few of them are nodding their heads
13 in agreement with me. How they get paid, that guy who
14 made the router that went 10 percent faster, he can get
15 paid by Mallun, and I applaud Mallun if she will pay
16 faster than Detkin law.

17 I guess now Detkin law is no good, and I hope it
18 enjoyed its 30 minutes in the sun, but maybe Mallun does
19 pay, but for the most part, companies don't pay. No
20 matter how strong, no matter how good the patents are,
21 they don't pay. How do I know this? Because the market
22 exists.

23 You heard Ray's presentation. There are 17
24 different business models out there devoted to the fact
25 that people are not paying the folks who innovate. Are

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1 they being paid enough? Well, reasonable minds can
2 differ on that. That's a commercial transaction. I'm
3 not sure that Congress has any place putting its thumb
4 on that particular scale.

5 I would argue that they are. I don't think Dan
6 knows what we're paying. Those transactions tend not to
7 be public. I can tell you it's a very wide range. It
8 ranges from not very much to millions of dollars per
9 patent, but the fact is that they are being paid.

10 What really I think at the end of the day Dan
11 and Mallun were both arguing was a more efficient
12 market, a more efficient way for people who have real
13 invention to get their invention rights to the Ciscos of
14 the world and to the IT companies of the world, and
15 that's all we're providing.

16 You may disagree with our particular model, and
17 maybe it won't succeed. I don't know. There's 17 other
18 models that are also out there, but at the end of the
19 day, there's got to be a way to efficiently get money to
20 the inventors so they can invent, and we can get those
21 routers working 10 percent faster, and for those people
22 to be paid and so they can go back and invent.

23 MS. MICHEL: I would like to hear -- please, I
24 don't mean to cut off any comments any one of you might
25 want to make, but I'll throw out there: Is it helpful

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1 to make a distinction between the use of patents for the
2 sake of tech transfer? I have another idea, I don't
3 have the capital to get it to market, so I go to a
4 company with those kinds of resources and say, "Please
5 create something new with my idea and pay me" versus a
6 business model that focuses on monetizing the patent or
7 treating the patent as more of an economic asset to gain
8 licensing royalties from what some people have termed an
9 inadvertent infringer.

10 Is it worthwhile in thinking about patent policy
11 and these issues to make that distinction, and if so,
12 how and why should we do that? Okay. Let's start with
13 Brian, and we'll just move on down the table.

14 MR. KAHIN: I think the independent infringer
15 question is an important one, and I'm organizing a panel
16 on that, so I've been thinking about it.

17 MS. MICHEL: Good.

18 MR. MCCURDY: This will be January 14 at
19 Brookings as part of a larger event, but one of the
20 reasons that copyright is accepted by consensus in
21 software is it does allow for independent inventions, so
22 for a complex technology, which software is the most
23 extreme -- for complex technology, and software is the
24 most extreme example of that, where invention is
25 ubiquitous and constant and you can't manage the

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1 information costs of who invented whom, who invented
2 what rather, that makes a lot of sense.

3 Let me comment on two points that Peter made.
4 One is we need to be careful about distinguishing
5 invention from innovation because innovation is
6 generally understood to mean not just the invention, but
7 the whole process that Dan and Mallun are talking of
8 commercializing ideas and getting them into a product
9 and getting the product to market, making real changes
10 in the tangible economy.

11 Finally, an observation that Peter and I may
12 agree on because Mark Lemley and Nathan Myhrvold agree on
13 this point, that we need to have more transparent
14 licensing markets, and the way to do that is to require
15 the recording of license transactions.

16 Now, I'm sure lawyers are going to have a fit
17 about that, and a lot of business people too, but until
18 we take decisive steps to remedy the problem of
19 information costs, we're not going to have good markets.

20 MS. MICHEL: Thank you. Mallun, and I would be
21 interested in all the panelists' views of this concept
22 of a more transparent market, given that it's hard to
23 imagine an efficiently operating market with a lack of
24 information.

25 MS. YEN: So on your first question, I think

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1 that is a good question to ask, the idea of independent
2 invention versus where the first time you've learned of
3 a patent is years after the product has come to market,
4 and many times the claims have actually been drafted
5 years after the products have come to market.

6 First is we're affirmatively seeking technology
7 to incorporate into your products. The mass majority of
8 the claims that we've seen are the former rather than
9 the latter, and I'm going to agree with Peter in that
10 innovators deserve to be paid, absolutely, but what they
11 deserve to be paid is fair value.

12 If a company actually makes a router that's 10
13 percent faster than ours, then we will pay for it. In
14 fact, we have. We've acquired over 130 companies and
15 paid billions and billions of dollars for those
16 acquisitions.

17 Now, where they do not deserve to be paid is
18 where they stretch interpretations based on existing law
19 and try and gain the system based on the imbalances, and
20 then they deserve to be paid exactly what their patent's
21 worth, and in that case, we will have a disagreement as
22 to what the patent is worth.

23 In terms of transparency, Suzanne, and along
24 with that, I agree. I think contributing to this
25 over-valuation is the lack of information, lack of

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1 information by what the licensors are charging in terms
2 of royalty rates, how much he was being paid to buy or
3 sell or license patents. Who in fact is even buying and
4 selling and licensing the patents is unclear in many
5 cases.

6 So it has created a very inefficient
7 marketplace, and it has allowed people to exploit the
8 system and try and play different companies or licensees
9 against one another, and so I think that Brian's idea is
10 an interesting one about recording licenses, and I'll
11 have to give that a little bit more thought, but I have
12 to say it doesn't offend me, and I am in favor of a
13 marketplace and a system that has no transparency.

14 MS. MICHEL: Dan?

15 MR. MCCURDY: So I first want to congratulate
16 the Commission on finding the one thing that I know we
17 have in common, that is, more data is better, so that
18 has to be the take away, if nothing else.

19 With respect to transparency, Peter made a
20 remark with respect to what he said was an agreement
21 among us that a more efficient market was better, and
22 I think that that is certainly true. One way, of
23 course, of doing that is to have a much more transparent
24 market.

25 Today if there's a small inventor who wants to

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1 sell or has patents, five years ago they had no idea how
2 to go about that. Intellectual Ventures, without
3 question because of its funding and its vision, pursued
4 inventions worldwide for acquisition, massive phone
5 contacts within inventors all over the world, huge
6 databases to figure out who had patents in particular
7 areas and so on, so they had the ability to begin to
8 identify this.

9 The problem is that's not an efficient market.
10 It is not a transparent market, so if everybody on the
11 earth who had a patent that they wanted to sell or were
12 contacted by someone to buy their patent had a
13 transparent marketplace to take that patent to advertise
14 that they may want to sell it, so that any potential
15 buyer, whether it's a corporation or a patent aggregator
16 or anyone else, had an opportunity to purchase it, the
17 patent owner suddenly has a chance to get real market
18 value for the asset, and those that could be impacted by
19 it have an opportunity to buy it as opposed to a
20 transaction that's bought in the dark of night for
21 relatively low money, and then as Brian put it, is used
22 to ambush companies who were not even aware that the
23 patent was ever for sale. That is not -- it's certainly
24 not in the public interest to have that continue.

25 With respect to tech transfer, there's two kinds

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1 of deals. I mentioned in my testimony that patent
2 licenses are selling a product no one wants, and it's
3 absolutely true, and I did a lot of it. As president of
4 intellectual property at Lucent I did a lot of it.
5 Certainly at IBM I did a lot of it, and you are selling
6 a product no one wants, but they feel compelled or are
7 made to be compelled to ultimately pay for it.

8 So, the good news is that there are friendly
9 deals that can be done. Tech transfers is one of those.
10 The problem is that if all you have is an idea in a
11 patent and you have not invested to develop that idea
12 into a product, preferably a successful product where
13 you can truly teach, engineers can teach other engineers
14 how to go about making that a commercial successful,
15 there's nothing to transfer because you have no
16 knowledge.

17 All you've got is what is taught in an idea
18 that's available in a patent, but unless you actually
19 have done something, like I've mentioned, 20 times the
20 amount of money you spent on development rather than
21 research, which is the creation of the idea, you don't
22 have anything to transfer, so it's hollow. We can
23 follow-up on that if you want. You look puzzled, so we
24 can talk about that more.

25 Finally, Peter said that I used the word

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1 something about the market was -- the brokerage market
2 was stabilizing. What I said in my testimony was the
3 ability --

4 MR. DETKIN: Destabilizing.

5 MR. MCCURDY: That the brokers market is
6 destabilizing?

7 MR. DETKIN: That the growth of this market in
8 general was destabilizing. You used that word. You
9 have a speech.

10 MR. MCCURDY: What I said was is what is
11 destabilizing is the lack of the ability to
12 counter-assert. That's what my testimony said, and
13 Intellectual Ventures, as far as I know, cannot be
14 counter-asserted against nor can any other NPE. That's
15 what's destabilizing.

16 MR. DETKIN: My turn?

17 MS. MICHEL: Yes, please, Peter.

18 MR. DETKIN: We all have our tents up here.

19 MS. MICHEL: Yes, which is good, a good thing.

20 MR. DETKIN: A couple of comments, first on
21 innovation versus invention and whether you get to be
22 paid for coming up with a product design. Again, think
23 back to the university professor who thinks of a way to
24 make a router 10 percent faster. Under Mallun's and
25 Brian's view of the world, he has to start a company,

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1 which then gets bought out by Cisco in order to be paid
2 for his invention.

3 Fortunately, that's not the way the system
4 works, and I see your tent going up right away, but the
5 fact is if he's got an invention, he should be allowed
6 to be paid for it. Now, should he be paid as much, if all
7 he's got is the invention, the patent, and Cisco is going to
8 do a lot of the heavy lifting and turning it into a
9 product? Of course not. That's part of the
10 negotiation.

11 Well, but the patent law isn't clear. Actually
12 it is clear. The patent law has evolved over time. The
13 damages law is very clear. Are there occasional
14 outlier cases at the district court level? Yeah, the
15 Microsoft/Lucent case, well, Mallun was forthright
16 enough to say that got overturned. The \$500 million
17 case that she talked about, that's still in
18 post-trial motion. That's yet to be appealed.

19 The system sorts these things out. It may take
20 time. That's the way the system works. We can't
21 legislate, you can't use -- to borrow a phrase from
22 Barack Obama, you can't use a sledgehammer when a
23 scalpel will do, and that's what some of the proposed
24 legislation will do.

25 I mean, even going back to the so-called

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1 egregious example of, well, a patent in a tire should
2 get --recover from the car. Well, I haven't read that
3 patent, but you know what, if the wheel well needs to be
4 redesigned and the patent or the redesigned car or the
5 patented car enable drag to be reduced by 35 percent
6 because this new tire in the new redesigned wheel well,
7 as a result this car sold like hot cakes because of that
8 particular design? Yeah, he gets a percentage of the
9 \$25,000 car.

10 On the other hand, if this tire just improved
11 traction in mud and snow, then, no, probably not, and
12 Georgia Pacific factor, God, eight or nine -- I didn't
13 know this was going to be a debate on patent reform, I
14 think we were talking about the market, but specifically
15 calls for let's discuss that issue, and it says let's
16 have expert testimony on that issue.

17 Is all expert testimony perfect? No. Is
18 anything that happens in a courtroom perfect? No. Is
19 it messy? Yes, but you know what, that's what the
20 appellate courts are for.

21 Finally, I have to talk about this a little bit
22 -- this gets to the independent invention, and I'll get
23 to that in a second but, boy, these searches. I agree
24 with Mallun that she is not, by searching patents, going
25 to find every patent relative to her business, but

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1 that's no excuse not to try.

2 And as Brian puts out in his -- you can't raise
3 your thing any higher, Mallun, it's already up.
4 Brian quoted Mark Lemley. It went beyond dispute in all
5 of the hearings and the House and Senate. High tech
6 companies, don't even try to search out patents. Nobody
7 testified and said, "Yeah we make an effort to find the
8 patents to do a product clearance."

9 I agree, they're not going to find them all, but
10 you know what? 3,500 patents over the course of the
11 year doesn't sound like that much to me to a \$40 billion
12 company like Cisco, because not all those patents
13 -- I mean, some of those patents you could immediately
14 throw out, so it puts you down to 2,000 patents. That's
15 40 patents a week.

16 I think a company like Cisco can quickly look
17 through 40 patents a week and see if any of them are
18 going to be an issue so they can proactive -- they don't
19 have to design around them all. I know design around is
20 expensive, but they can then proactively start the
21 discussion and say, Look, Mr. Professor, you invented
22 something that we think we could use a license to, let's
23 have a discussion.

24 Oh, finally on your point about selling product,
25 there are companies that do exactly what you're talking

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1 about - Qualcomm, Rambus, ARM. Those do follow that
2 exact business model. That's an 18th for your list
3 there.

4 MR. MCCURDY: It was on there.

5 MS. MICHEL: No, it was on there. Okay. Ray, I
6 would love to hear your comments.

7 MR. DETKIN: I'm sorry, do you want me to talk
8 about the transparent market or do you want to give
9 Ray --

10 MS. MICHEL: Let's let Ray talk, and then we
11 will come back to that. I would like to hear those
12 thoughts.

13 MR. DETKIN: Sorry. I forgot about that.

14 MR. MILLIEN: I just wanted to say, and it's
15 interesting to hear the conversation between Mallun, Dan
16 and Peter, but as a market observer, what I think is
17 missing from the debate is I think we all need to step
18 back because I think a lot of us are losing the forest
19 through the trees.

20 Yes, it's right that we need more data because
21 if your plaintiff had more data, he wouldn't ask for a
22 gazillion dollars, right? If I want to buy a one
23 bedroom or two bedroom ranch in Palo Alto, I can look at
24 the comparables, and my real estate agent and the
25 seller's real estate agent could come to a more rational

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1 discussion as to value because there's just more data.

2 So we all agree to that, but I think in terms of
3 the FTC and the patent reform debate, the debate has not
4 been very balanced, and you asked: Should we look at
5 individual inventors versus tech transfer? I think the
6 patent policies have to be neutral because for every non-
7 practicing entity that's quote, unquote, extorting a
8 large company, there is really a small inventor who
9 pitched the idea to Cisco. Cisco said, Go away, and
10 then ten months later, Cisco developed -- that feature
11 ends up in a product. I'm using that as an example.
12 I'm not engaging in trade lobbying.

13 So what I'm saying is that the policy needs to
14 be neutral because we talk about there are quote,
15 unquote, real companies doing real quote, unquote, doing
16 real R&D, but if you look at the studies, 80 percent of
17 the R&D budget of a Fortune 500 is just to improve
18 existing products. Only 20 percent of that research is
19 truly innovative to truly bring new products to market.

20 If you look at the studies, small businesses
21 invent 13 to 14 times at a higher rate than large
22 businesses. That's why Apple bought the technology for
23 the iPod, bought the technology for the iPhone. It's
24 really small inventors, so what's missing from the
25 debate is you have a bio and pharma versus software and IT,

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1 but what's really missing from the debate I think is the
2 patent policy has to be neutral because you have to
3 engage in patent reform, which is figuring out how to
4 decrease transparency, how to get better patents through
5 the patent system and not really engage in patent
6 litigation or patent infringement reform.

7 I think everybody here -- and the argument as
8 whether it's good or bad for the economy, I don't know.
9 Some macro-economists might say, troll litigation is
10 good for the economy because there are 20 lawyers eating
11 off that, paying their mortgages. There's court
12 reporters eating off that.

13 It's sort of like the prison system. If we got
14 rid of crime, what would all the correction officers do?
15 So that's all I have to say.

16 MS. MICHEL: All right, interesting. Let me ask
17 a specific question: Several of you have mentioned a
18 need for more data. Could you expand on that point for
19 a moment? What sort of data would be helpful? How
20 might people look for it?

21 Also I'll take that opportunity to say the FTC's
22 accepting public comments through February 5th. You can
23 see that on the conference web site, and it would love
24 to hear ideas from everyone on this point, all points,
25 but that one too.

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1 MR. DETKIN: Do you mind if I start since that
2 kind of goes to the transparency issue?

3 MS. MICHEL: Sure, and then we'll work down the
4 table.

5 MR. DETKIN: Fair enough. Once again,
6 surprising there's agreement on the transparency issue,
7 although I guess in a sense I'm agreeing with myself
8 because Brian cited an article written by Professor
9 Lemley and my partner, Nathan Myhrvold. Absolutely, we
10 think that the market needs to move to become more
11 efficient, become more transparent, and would we
12 participate? Absolutely.

13 Are we going to lead the way by ourselves? No.
14 I can sense that question in the audience, no more than
15 Cisco would publish its product plans before --
16 unless everyone agreed that they're going to publish
17 their product plans.

18 MS. MICHEL: You're saying no unilateral
19 disarmament.

20 MR. DETKIN: Right. I mean, it's a competitive
21 market, and I'm not going to give my competitors access
22 to competitive data unless it's going to be reciprocal,
23 but at the end of the day, markets don't spring up from
24 whole cloth. Ocean Tomo, when Ray used to be there, is
25 doing a great job to with their auctions. These are

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1 open bid, open cry auctions run by -- if you haven't
2 been to these, they're great -- run by a Sotheby's
3 auctioneer, complete with gavel and pomp and
4 circumstance, and he auctions off patents. You don't get
5 more transparent than that.

6 What percentage of patents sales does that
7 comprise? A pretty small percent, but is that a step in
8 the right direction towards the complete, open,
9 transparent, efficient market that Dan envisions?
10 Absolutely, and I think that's the direction we're
11 heading.

12 That would be -- to get to the question you just
13 asked, Suzanne, that would be the way of getting the
14 data that we need because as I understand, the debate
15 has shifted in Congress from damages are out of control
16 to settlements are out of control because of fear of out
17 of control damages, but then when you say, okay, well,
18 we can get data on damages because that's in court
19 opinions, but where is the data on the settlements?

20 You can't see any of that. We have to trust the
21 people who are making these allegations always behind
22 closed doors. Again they're not reported. You won't
23 find them in the SEC, so that we know they're not
24 material, but still we don't know what they are, so
25 that's the data we need.

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1 If we're going to have a damages debate based on
2 out of control settlements because it's shifted from out
3 of control damage awards, let's get the data on what the
4 settlements are and not have it be behind closed doors.

5 MS. MICHEL: Dan, any thoughts on transparency
6 and data that would be useful to inform the debate?

7 MR. MCCURDY: I think under the transparency of
8 the marketplace, I've spoken to that. With respect to
9 data, there are at least a few that I think would be
10 very important.

11 The first is much greater transparency as to the
12 true ownership of the patent, and so I would go so far
13 as to say that a patent should not be enforceable unless
14 it has been properly assigned, registered, and I would
15 go further to say that that registration ought to
16 include and keep updated all upward and downward
17 affiliates of that owner. I think that would help
18 enormously as a piece of data.

19 The second would be data surrounding the price
20 for the sale of patents, much like a stock market
21 operates, that would be extremely useful.

22 The third would be disclosure of the price and
23 circumstance at least at some level of licenses for
24 patents, and the issue is very simple. If it's a one-
25 way license not involving a cost, that's relatively

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1 straightforward. There's a royalty rate and/or a paid
2 up price that's given for that.

3 In a cross-license, it would be useful, and
4 we've had some minor discussion about this, to figure
5 out how you can attribute value to what that cross-license
6 is, which of course is one of the huge issues with non-
7 practicing entities because there cannot be a
8 cross-license.

9 We can't properly attribute what the distortion
10 is in the market of an NPE versus what might otherwise
11 be by two entities in a more level playing field.
12 Again, data would be extremely useful, and frankly, if
13 operating companies are bothered enough by the problem,
14 particularly of non-practicing entities, notwithstanding
15 the practice over decades of not disclosing this kind of
16 information, I think it's about time. You can't have
17 your cake and eat it.

18 MS. MICHEL: Mallun?

19 MS. YEN: So I think Dan very articulately
20 elaborated on some of the issues relating to
21 transparency that I mentioned earlier, so let me just
22 address a couple of points. I guess Peter might not
23 share his cab with me to the airport by the time we're
24 done, but....

25 MR. DETKIN: I'll share it, but you're paying.

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1 MS. YEN: You're always asking for money. So on
2 Peter's points of we only buy companies who have
3 actually designed products or brought products to
4 market, that's absolutely not true. When we have come
5 across patents that are truly innovative, pioneering
6 patents, we have sought them out and bought either the
7 patents or the company for the sole purpose of acquiring
8 the patents, so that point is just not true.

9 The second point about the tire, and like I
10 said, it was -- I had mentioned it was an illustrative
11 example, and of course if the reason for buying a car
12 was because it was designed around this really neat, new
13 tire that made you have a hundred miles, get a hundred
14 miles per gallon, and zero to 60 in three seconds, et
15 cetera, then, yes, that's the entire market value.
16 That's the value of what was the invention, but I'm
17 talking about a tire.

18 Let's see. Second, so, Peter -- I want to ask
19 Peter a question before I make a comment, which is:
20 When you were in my position at Intel, how often did you
21 conduct patent searches?

22 MR. DETKIN: We did, absolutely.

23 MS. YEN: Because what I said earlier today was
24 not that we don't conduct patent searches, which is what
25 Peter said, but I said it's impossible -- even when you

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1 conduct patent searches, it is impossible to avoid the
2 amount of claims that we have.

3 MR. DETKIN: I get to ask a question now. Do
4 you do product clearance searches?

5 MS. YEN: So what we do is when we go in to a
6 new market, it depends, it's a case by case
7 circumstance. If we go into a new technology area where
8 we have not been in, like routing and switching, since
9 the beginning of time, then we will do some searching to
10 make sure that we steer clear, and if we find some
11 patents, we make efforts to design around.

12 In areas where we have been the pioneer from day
13 one, it does not make sense to do a product clearance
14 search because one, we've been there, we know what's out
15 there; two, we know the delay. It's three to five to
16 seven years for a patent to issue.

17 So, your search is necessarily out of date as
18 of the date you searched it, and even if you look at
19 published applications, the claims often look very
20 different than when they actually issue, and not all
21 claims are published. So I didn't say we don't search.

22 Third, you can cut me off any time, Suzanne,
23 because I can probably go on until the end of the
24 session. On the budgeting side, on the budgeting and
25 Peter's claim that not a single CEO sat up here and

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1 said, because I had to spend money on patent litigation,
2 I wasn't able to fund whatever.

3 I can tell you from personal experience that
4 when we go through the budgeting cycle, and I get told
5 repeatedly you are a cost center, a dollar that goes to
6 you is a dollar that's taken away from engineering.
7 This is absolutely the case. And, in fact, it struck
8 home -- it struck a chord with me when I was talking to
9 one of our engineers who had to travel across the
10 country to testify at a patent infringement trial, one
11 that we actually did end up prevailing on.

12 I called him, and I said, thank you so much for
13 taking the time out, I know it's a huge burden, no one
14 wants to spend time with all these lawyers, et cetera,
15 et cetera, and I said, I hope you get at least a nice
16 bonus for this.

17 He looked at me, and he said, "I don't care about
18 a bonus." He said, "All I want and all I need is \$300,000
19 so I can hire the ten -- to rent the office space to
20 fund the -- to house the 10 engineers that I want to, to
21 be able to fund this particular project," and I thought
22 about it.

23 \$300,000 in my budget where we spend \$50 million
24 a year is nothing, and yet it is so -- it has
25 such a direct impact on whether or not he was able to

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1 hire a team and develop a product, so it absolutely
2 takes money away from innovation and engineers being
3 able to hire the engineers and have the resources to
4 develop product. And I'll stop there and give Brian
5 some time.

6 MS. MICHEL: Thank you. Brian?

7 MR. KAHIN: Well, I want to say generally in
8 response to this discussion is that I think perhaps the
9 greatest service that FTC could do in a future report is
10 to take a run at evaluating search costs, information
11 costs, negotiation costs and risk costs involved in
12 patent practice.

13 Some specifics -- and I think we got to be aware
14 that there's a bit of a catch 22 here, because part of
15 the problem of opacity is that there's too much
16 information out there of uncertain quality, and we have
17 to be very careful about adding more information of
18 uncertain quality.

19 I think the settlements are extremely important.
20 In part, this is to get at some of the problems of
21 settlements and doing things like suppressing prior art
22 or the amount of settlements that may go on around low
23 quality patents which Carl Shapiro has shown will happen
24 more. There's a big free rider problem with low quality
25 patents.

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1 One point that we could get at is to acquire
2 registration of notice letters. That would be a very
3 simple provision and would reveal who is doing broadcast
4 assertions, how big a problem broadcast assertions are.

5 The ownership that Dan was mentioning who owns
6 patents, who has assignments, who has exclusive licenses,
7 and this goes into the nonexclusive recording, there should
8 be failure to accrue damages for periods that these
9 things are unregistered, particularly assignments and
10 exclusive licenses.

11 For public companies, we should require
12 recording of licensing income, out and in, by type of
13 license, so separate out the copyright from the patent,
14 separate out exclusive from nonexclusive.

15 We should require public companies that they
16 report on intellectual property as assets and
17 liabilities, not just assets, liabilities. What is
18 their exposure to intellectual property? I mean, this
19 is going to be a best guess to start with, but unless we
20 start making those requirements we aren't going to
21 develop the methodologies to do it.

22 I'll stop there.

23 MS. MICHEL: All right. Thank you. We'll wrap
24 up in a couple minutes, but any of the panelists have
25 any thoughts on how the eBay decision, in particular, has

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1 changed the dynamic of the non-practicing entity seeking
2 royalties. Has it solved all our problems? It doesn't
3 solve all the problems that some have asserted or it
4 doesn't sound like you all think that.

5 But, Peter, do you have any comments?

6 MR. DETKIN: Yeah. Actually I'm glad you
7 brought that up because Dan quoted my testimony from
8 when I was here in 2001. I want to make sure that's --
9 that was actually in the context of injunctions that I
10 was talking, and I know that Dan and others on his side
11 of the fence are very fond of taking that quote and
12 taking it out of context.

13 I was talking about injunctions. I had a
14 particular remedy that I proposed. I thought that the
15 appropriate remedy was a stay of injunction pending
16 appeal. The Supreme Court decided to say basically non-
17 practicing entities -- actually they specifically said --
18 this is not a hard and fast rule, non-practicing
19 entities still can get injunctions, which of course has
20 been interpreted by every court as non-practicing
21 entities cannot get injunctions.

22 But either way, I think it's too early to tell
23 how that decision affects the landscape of licensing. I
24 don't know if Mallun has something or Dan has a
25 different viewpoint of that.

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1 MS. MICHEL: Yeah, Mallun?

2 MS. YEN: So I think the eBay decision has
3 helped in clarifying the law. It was a good decision
4 and the right decision, but I do agree with Peter that
5 the impact of eBay is unclear. You have some courts who
6 have created an exception for licensing entities or
7 academic or research institutions saying that if they
8 don't grant the injunction, then the licensing institute
9 will be irreparably harmed because it will deter others
10 from taking a license.

11 There are also cases, and I think this ended up
12 settling so we didn't know how it ended up turning
13 out -- but there's a case where a company, a non-
14 practicing entity sued a couple of defendants, ended up
15 settling with the first defendant and then assigned the
16 right to obtain -- a partial right in the patent to that
17 first defendant, who was also a competitor of the second
18 defendant.

19 So that the right to obtain an injunction went
20 to the first defendant, and the right to obtain the
21 licensing royalties came to the licensing entity, so I
22 think the case -- Peter is nodding his head, so he
23 probably knows what I'm talking about.

24 So I think the case settled so I don't know how
25 it actually turned out, but there's lots of creative

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1 things like that out there. You have other licensing
2 entities who are forming and creating small companies
3 that are developing some -- purporting to develop some
4 products. In fact one of them, in a phone call -- well,
5 it first started out with the patent, an offer for us to
6 buy their patents.

7 Then they said, no, no, we're a real company,
8 let me send something to you. They sent me a product, but
9 if you had seen the product, you would laugh. It was
10 just a phone in a box. Actually it was a handset in a
11 box.

12 So that you have -- these are some very smart
13 people who are involved in these licensing ideas. They
14 will look for ways to get around it and so time will
15 tell as to what the full effect of eBay is.

16 MS. MICHEL: And Dan, did you have a comment on
17 that?

18 MR. MCCURDY: Yeah, so has eBay helped with the
19 NPE problem? The statistics would indicate no. Cases
20 continue to go up, post eBay. The real benefit I think
21 is in the compilation of the various cases, so if you
22 look at *KSR* and *Lucent* and *MedImmune* and *SanDisk* and
23 eBay, just as examples, and there are maybe one or two
24 others. I think the compilation of those, the latest
25 *Quanta* more recently are beginning to help.

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1 I think the latest *Volkswagen* case, with respect
2 to venue, is helping, and I suspect that the courts are
3 going to hit on a couple others, and the Congress may or
4 may not be able to, on some of these biggest issues,
5 depending on whether industry ever gets its act together
6 or not so it can agree to go to Congress to tell
7 Congress how to help, some of the big issues like
8 apportionment and venue which is clearly a stalemate at
9 the legislative level.

10 So it's a compilation that I think is helping.

11 MS. MICHEL: One of you had put up a
12 quote from the FTC report that talked about what
13 sometimes is referred to as the hold-up problem, a
14 problem that a manufacturing firm is going to be willing
15 to pay a license based on its cost and its switching
16 costs rather than the value of the technology, when a
17 patentee asserts the patent once the product is on the
18 market.

19 There had been some discussion in the literature
20 that perhaps *eBay* would help with that, the ability to
21 not shut down the product, get an injunction on the
22 product, to change that settlement or licensing
23 negotiation.

24 Does anyone have a sense of whether reality has
25 played out that way. Mallun? I'm sorry, Dan?

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1 MR. MCCURDY: I was going to say but the reality
2 is the request for injunctive relief is, of course,
3 completely automatic, just as the inequitable conduct
4 defense is automatic, just as willful infringement is
5 automatic, and so everyone has always asked for it, and
6 frankly I don't think that -- particularly in the high
7 tech industry, it's virtually never granted or at least
8 not sustained.

9 So people deal with it, they know it, and I
10 don't think the fact that the non-practicing entity has
11 a harder time to obtain an injunction is stopping them
12 from pursuing the infringement.

13 MS. MICHEL: Mallun, and then we will let
14 everyone have lunch.

15 MS. YEN: I think that's right. I think that
16 even after eBay, you don't see a decrease. You actually
17 see an increase in the number of cases that are filed so
18 we still have a litigation problem.

19 I can tell you when we're assessing the risk and
20 whatnot on how to go forward when we receive a claim, we
21 can't rely on eBay to say, there's no injunction
22 risk. It continues to be a factor, and we need to
23 factor that into our decision on how to proceed.

24 MR. MCCURDY: Just one quick follow-up with
25 that, in the end the reason is is a simple one, which is

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1 remember that non-practicing entities are not interested
2 in blocking a competitor. They only want money so the
3 fact that they can't block the competitor doesn't matter
4 in the end as much because they're still going to be
5 able to ultimately get, if they pursue it, a judgment of
6 infringement of a valid patent if both are in fact true,
7 so there it is.

8 MS. MICHEL: All right. Why don't we wrap up.
9 If everyone would just like to take -- anyone who would
10 like to make a 30 second final statement and then we'll
11 break for lunch.

12 Peter, you've got your tent up so why don't you
13 go first then.

14 MR. DETKIN: This actually might cost my
15 companionship to the airport, but I think Mallun's last
16 comment really summarizes my concern more than anything.
17 You heard Dan say that eBay or no, people never
18 got the injunction. They never got treble damages. It
19 was always put in there automatically.

20 The high tech industry, the people in the
21 trenches knew you didn't get them. eBay kind of
22 solidified that and said, you're not going to get it,
23 and the cases since then except for the one set of
24 stupid lawyer tricks that Mallun mentioned, the cases
25 that were settled where they tried to get it. But Mallun

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1 said, but we still settle cases in fear of that.

2 That's a reprise of what I hear over and over
3 again on Capitol Hill. Notwithstanding the fact, and
4 Mallun's now furiously writing so I might need rebuttal
5 here, but notwithstanding the fact that the damages law
6 is pretty well settled and pretty well handled at the
7 appellate level if not the District Court level, we now
8 hear, yes, but settlements are out of control for fear
9 of the run-away damages claim, even though there's no
10 evidence of the run-away damages claim.

11 This is where I guess -- this is probably the
12 main thing coming out of here, the transparency and the
13 real data on what is going on out there would help
14 because maybe if we had that transparency, we wouldn't
15 have that fear of the needless dread.

16 MS. MICHEL: Thank you very much. Any final
17 comments?

18 MS. YEN: Sorry, I was going to let Dan go.

19 MR. MCCURDY: I was going to say thank you.

20 MR. DETKIN: I forgot to add thank you.

21 MS. YEN: I do have one final one before I say
22 thank you.

23 MS. MICHEL: Sure.

24 MS. YEN: So Peter said that I said that we
25 settle cases in fear of an injunction. Did anyone else

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1 hear me say that, because I didn't? What I said was
2 it's a factor. eBay has improved the situation and it is
3 better, but we cannot completely rule it out because
4 people like Peter are very clever.

5 MS. MICHEL: All right.

6 MR. DETKIN: I'm unique and clever, all right.

7 MS. MICHEL: Well, I want to thank our panelists
8 for a very lively discussion and say that we could not
9 possibly exhaust this topic in the time that we had, and
10 we welcome comments to the FTC or even to the staff
11 individually on the topic. Thank you, and we'll return
12 at one o'clock to hear Chief Judge Michel.

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1 AFTERNOON SESSION

2 (Resumed at 1:08 p.m.)

3 MS. MICHEL: Thank you very much for returning.
4 We'll get started now. WELCOME come back to the
5 afternoon session of the FTC's first hearing on the
6 evolving IP marketplace.

7 For those of you who couldn't join us this
8 morning, please know that these sessions are being web
9 cast, hello to everybody watching from your desk, and
10 you will be able to view that web cast later. The tape
11 will stay up on the conference web site.

12 There's also a realtime transcript going up, and
13 we are having made a more perfect transcript, which will
14 be up a couple weeks from now. We will be posting the
15 speaker slides and any papers that they would like to
16 submit to us, so there will be plenty of information for
17 your interest.

18 It's now my distinct pleasure to introduce the
19 Honorable Paul R. Michel, who is Chief Judge of the
20 Court of Appeals for the Federal Circuit. The Chief
21 Judge has been a member of the court for 20 years now,
22 and its chief for the past four.

23 His tenure on the Federal Circuit, like his
24 career prior to joining the court, demonstrates a small
25 commitment to public service. He's worked in the

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1 Philadelphia District Attorney's Office as an assistant
2 special Watergate prosecutor in the Justice Department
3 and as a senate staff member.

4 The Chief Judge's work on the court, his
5 numerous, thoughtful opinions that have
6 carefully developed key areas of patent law are no doubt
7 well known to everybody here today, but it's his
8 participation in the patent law community that reaches
9 beyond hearing these cases and writing opinions.

10 As shown by his presence today, he has always
11 been exceedingly generous in his willingness to speak,
12 teach and engage the broader community.

13 If you will indulge just a personal note for a
14 moment by one of the Judge's former law clerks, I will
15 add that his dedication to public service, his
16 generosity and his intellectual rigor has always been
17 inspiration. Thank you.

18 (Applause.)

19 CHIEF JUDGE MICHEL: Thank you, and good
20 afternoon, everyone. I should probably start by
21 explaining two things. One is why I was not here this
22 morning. We had a full array of oral arguments in front
23 of three panels this morning, so I was busy hearing a
24 different form of argument than perhaps occurred here.

25 Unfortunately, the same fate awaits this

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1 afternoon. We have a special session involving a
2 portrait presentation for Judge Gajarsa of our court, so
3 once again I am going to have to study the record after
4 the proceedings close rather than sitting in the back of
5 the room as I would have preferred.

6 The second explanation is that to my chagrin, Suzanne
7 Michel and I are not related. At least we're not
8 related by blood, but we worked together very closely
9 and very happily in that wonderful relationship of judge
10 and clerk, and I'm very pleased to see several of my
11 other devoted law clerks and former law clerks here, so
12 hello to Joe Miller and Michelle Lee and Matt Dowd and
13 everyone else I might have missed.

14 I would like to admit up front two things:
15 Number one is that, contrary to popular belief, I do not
16 believe that all patent wisdom, patent law wisdom, patent
17 policy wisdom or any other kind of patent wisdom resides
18 exclusively in the brains of federal judges. In fact, I
19 think federal judges should more be thought of as
20 students of all of you and you as the teachers than the
21 other way around.

22 It's a great disappointment in reading petitions
23 for en banc re hearings in patent cases to be struck
24 again and again and again in nearly every case with just
25 having your own words, maybe not my words, but some

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1 other Judge's words in some opinion thrown back as if
2 they are perfect, immutable, logical, sensible,
3 efficient and all kind of other good things, which of
4 course isn't always the case. It isn't necessarily the
5 case.

6 The other thing by way of preliminaries is that
7 I'm going to use a lot of numbers, which I hesitate to
8 do, but it's a little bit required. The numbers are
9 very, very rough. You'll able to quarrel with some of
10 them in terms of precision. It's a matter of trying
11 to set the perspective, which I think is so important to
12 the ongoing effort of the entire patent community to
13 work toward a feasible, realistic, balanced
14 improvements. So with that as a warm up, here we go.

15 As we all know, the PTO issues tens of thousands
16 of patents each year. There are well over a million in
17 force today. Many surely contain claims that might be
18 thought to be invalid. The vast majority have no
19 commercial value and therefore never enforced, so
20 they're really no threat to anybody.

21 On the other hand, several thousand patents each
22 year will be enforced, and by enforced, I mean both in
23 what shall I call, threatening letters or, no, we don't
24 threaten any more. In any event, informing letters. But
25 most particularly, of course, I'm talking about the

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1 filing of lawsuits, so what are those numbers?

2 Well, for most of the last decade, a little
3 under 3,000 patent infringement lawsuits have been filed
4 each year. That's been quite a steady number for the
5 better part of a decade so that's kind of our baseline.

6 Now, of course in all of those 3,000 cases, the
7 validity of the patent is immediately challenged right
8 in the answer and on through the litigation. Quite
9 often validity doesn't get adjudicated because so many
10 cases fall out on summary judgments of non-infringement
11 based on claim construction, but there still is a fairly
12 substantial number where validity is determined.

13 It's not at all infrequent to have at least some
14 of the claims, and they may be the critical ones or maybe
15 not, declared invalid on any number of grounds, but
16 most commonly perhaps on the ground of obviousness.

17 Now, it may be true that as the Federal Trade
18 Commission observed in its report now five years in the
19 past that we have a big issue or problem in this country
20 that you could put under the label of 'patent quality.'

21 But I suggest that as we move forward into the
22 seventh inning or round six or the third period or
23 wherever we are in this patent reform, patent policy
24 debate, that it's worth pausing to consider for just a
25 minute what do we really mean when we're talking about

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1 more patent quality.

2 Certainly lay people and maybe some lawyers
3 could be forgiven if they take that as a suggestion that
4 a very large number of patents are just flat-out
5 invalid. That is, the entire patent is a piece of junk,
6 worth nothing, illicitly granted.

7 I've been on the court for twenty years and eight
8 months, and I cannot ever remember seeing a single
9 patent, I'm sure they're out there, but I can't remember
10 seeing one where every single claim was invalid. I've
11 seen innumerable patents where some of the broader
12 claims either were indefinitely broader or were damn
13 close, but in all of those cases, the narrower claims
14 seemed to me equally clearly to be plainly valid.

15 So what we really have is a problem of some
16 over-broad claims getting through the system, slipping
17 through the sieve that in the ideal world would catch
18 them.

19 Now, the other sort of buzz words associated
20 with the debate in its earlier stages also strike me as
21 not as helpful as they might be, so when we talk about
22 patents like 'lacking quality' or patent applications
23 lacking quality, I'm not sure how helpful that is.

24 If we want to consider the patent system, the
25 overall thing, everything, the PTO and the courts and

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1 all the other pieces of it, including the roles that all
2 of you men and women here in this room and your
3 counterparts elsewhere play, if we look at that system
4 and we ask: Is that system sick, is that system very
5 sick, what is the illness of that system, what is the
6 right medicine?

7 Of course it's a question of diagnosis, so it
8 seems to me very important to get the vocabulary
9 straight and to sort of get our logic aligned with
10 reality. So when we say there are many patents out
11 there that are 'questionable,' well, sure, if somebody
12 sues on them, the validity will be questioned, probably in
13 100 percent of the cases.

14 Does that make them really 'questionable' or just
15 subject to defenses of he who gets sued? Of course you
16 fight back if you get sued, and you say the patent is
17 invalid. Maybe it is. Maybe it isn't, 'Questionable'
18 isn't the best kind of test.

19 Now, as I said, I think that certainly in the
20 ideal world, and maybe in the world we actually live in,
21 we might be able to expect or assist the Patent Office
22 in doing a somewhat better screening job with respect to
23 these broader claims that probably shouldn't be allowed.

24 Of course, a downstream benefit of that would be
25 there might be fewer suits filed. There might be even

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1 more suits that would fall out under summary judgment
2 with greatly reduced costs compared to full trials, but
3 it's not sure. It's not certain.

4 Like almost everything else in life, you have to
5 look at the cost versus the benefit. You have to look
6 at trade-offs that inevitably flow from any decision you
7 make, in any direction. At least that's the way it looks
8 to me.

9 So the question then becomes: Can the PTO be
10 strengthened enough to provide what I'm going to say are
11 the needed rejections of all these over-broad claims and
12 the large number of cases? The shallow answer is, well,
13 yes, of course. If you spend enough money and hire
14 enough examiners and train them well enough and retain
15 them with bonuses and supervise them well enough and
16 have everything else that you need going, including
17 large enough net examiner numbers, you would hope that you
18 would be able to do this function of screening out these
19 over-broad claims.

20 But again there's something of a question in my
21 own mind: Would it really work, and would it be
22 worth it? And, in any event, is it even feasible? No less
23 a leader than Reed Hundt who is associated with the
24 president elect's transition team, two years ago, so he
25 might not say the same thing today, but two years ago

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1 wrote publicly that he proposed that the Patent Office's
2 budget be tripled. Tripled.

3 Now, I don't object to the idea, but if we step
4 back and consider where are we on December 5 of 2008, it
5 ain't going to happen. We'll be lucky if the budget
6 goes up at all at the Patent Office. It certainly isn't
7 going to triple. Obviously the financial crisis, the
8 fiscal crisis is going to block that. Beyond that, it's
9 not entirely clear, at least it's not clear to me that
10 it really would reduce the number of lawsuits filed or
11 the number that get past summary judgment or the cost of
12 the lawsuits. It might, but it's far from clear to me.

13 Then I get to broader questions, like I keep
14 hearing that we have a 'litigation explosion' in patent
15 infringement cases. I keep hearing that we have lots of
16 'wasteful litigation.' I keep hearing we have excesses
17 and abuses of certain types of defendants or maybe
18 plaintiffs in some of these cases.

19 I also read that for quite a number of decades
20 now, the percentage of extant patents sued on has
21 remained almost exactly the same, at about 1 percent, so
22 if you have a lot more patents out there, you would
23 expect more lawsuits, and that's exactly what you get.

24 Now, of course you can say, yeah, but they're
25 all bad patents. Well, maybe or maybe they're partly

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1 bad and partly good, so a little hard to be sure.
2 I'm a skeptic about whether we have an excess amount
3 of wasteful litigation or a crisis or a patent litigation
4 explosion.

5 Now, as you may have heard me already throw out
6 the number, about 3,000 patent suits filed a year, but
7 the more interesting numbers that start to reduce that
8 is that about 90 percent settle voluntarily. Now, of course
9 now you may say, but yeah, only under coercion and under
10 threats, under a gun at your head. All those kind of
11 arguments. Well, maybe. Maybe.

12 But 90 percent never go to trial, so when we're
13 talking about trial expense, trial delay, not minor
14 matters, we're not talking about 90 percent of the
15 lawsuits. We're talking about 10 percent of the
16 lawsuits. What happens to the 300 that don't fall out
17 on voluntary settlements between the parties?

18 Well, over two-thirds of them get resolved on
19 summary judgment. Now, summary judgment isn't cheap.
20 I'm not trying to make that argument, but it's a lot
21 less expensive than a full trial, lots less, and much
22 faster almost always, not in every case, but normally.

23 So now we're down to about a hundred trials per
24 year, ball park figure. (All these figures are just ball
25 park figures). If we step back and we say, all right,

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1 we're a nation, highly developed, high technological, fully
2 industrialized advanced nation of 300 million people. We
3 have something like a million and a half patents in
4 force, and we have what, 30,000 companies in the
5 marketplace? I don't even know the exact number, but
6 accept the notion that it may be somewhere like 30,000
7 players.

8 Are a hundred trials excessive in a country of
9 that size and that vitality with that many patents
10 extant? And what happens when there are trials? Most of
11 them get affirmed on appeal. Of course, that also means
12 some get reversed, but the numbers again are kind of
13 instructive.

14 About a third of the hundred tried cases, fully
15 tried cases, will get reversed on some basis or other.
16 So we got about 30 going back to the trial court, so out
17 of that 30, how many actually get retried as opposed to
18 settled at that remand stage? I don't have precise
19 statistics, but it's very few.

20 Let's say it's five or maybe ten, so five or ten
21 times we have the ugly circumstance of having to retry a
22 case, expensive the first time, going to be expensive
23 the second time too, but it happens very rarely, so is
24 it really legitimate to say the big problem in the
25 system is appellate reversals that require us to go through

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1 the horror of a slow, expensive trial twice? Rarely,
2 rarely.

3 So it's out there. It's not negligible, but
4 it's a pretty small piece of the problem, it looks like
5 to me.

6 Now, when we try to focus on 'wasteful,' if the
7 courts are able to do screening out and avoiding trials
8 in over two-thirds of the cases, that saves a lot of
9 money. Now, depending on the complexity of the case,
10 even the summary judgment related costs, lawyer fees and
11 all the rest, can certainly be considerable.

12 Well, I'm not trying to suggest that summary
13 judgment is always super fast or always very
14 inexpensive. It is, on the other hand, as I've already
15 observed, far better than the full trial alternative.

16 So then the question for me as a Judge is:
17 In the hundred or so cases we're trying a year,
18 are we wasting the public resource? The taxpayers'
19 money? Are we wasting the money of the combatants, the
20 litigants?

21 When I look at the cases as they flow through
22 the court year after year, my strong impression, and
23 that's all it is, it's not scientific, is these tend to
24 be the closest, most difficult cases, so if we're trying
25 a hundred of the closest cases a year out of 3,000 that

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1 are filed, that doesn't sound very wasteful or horribly
2 inefficient to me. It's not perfect, but it's not
3 terrible either. We need to have some kind of sense of
4 proportion, I think, if we're going to diagnose the
5 illness in the system in a way that will provide
6 treatment that will really be meaningful.

7 So, of course, the magic bullet is a new kind of
8 reexamination in the Patent Office. That's what
9 everybody says will solve the problem. Why? It
10 will be faster and cheaper than court trials. Well,
11 maybe. In the real world, we've got a Patent Office
12 that struggles to keep up with its current work.

13 What basis would we have for confidence,
14 particularly if it doesn't have a tripled budget, that
15 it can run in-house what amounts to a court system with
16 cross examination and discovery rules and a Judge
17 presiding and making fact findings or Administrative
18 Patent Judges even trained for this? How hard would it
19 be to get them up to speed to function just the way
20 District Court Judges do or ITC administrative judges in
21 patent cases? I think these are hard questions, and I
22 don't think the answers are too obvious, but they
23 certainly give me a lot of pause.

24 So then when we look at, well, where does the
25 litigation process in America start to impose costs that

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1 are worth really, really worrying about? Probably we
2 could all agree, well, at least at the discovery stage.
3 There's no other country in the world that forces
4 litigants to spend one fiftieth of the money that we force
5 litigants to pay routinely with American discovery
6 rules.

7 Of course, the discovery rules are uniform in
8 patent cases and every other type of civil case. They're in
9 the civil rules procedure as we all learned in law
10 school, so if the discovery costs are viewed as
11 unacceptably high, given where our society is, what we
12 want, what we value, then it would seem to me the most
13 logical, direct solution is to reform the Federal Rules
14 of Civil Procedure to change the discovery regime as
15 opposed to changing substantive patent law through
16 legislative means.

17 I'm not against legislation. I think there's a
18 place for it. Some things can only be done by
19 legislation. I used to work on legislation, so I'm
20 hardly an opponent of legislation, but it isn't a magic
21 solution. It's not a magic wand.

22 Now, certainly the existing reexamination
23 process has been less than a stellar success, and it
24 certainly doesn't look faster than the courts, as slow
25 as the courts are, compared to how they should be. I

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1 can't testify about how much cheaper it is, but the
2 stories I've heard don't sound too encouraging, and then
3 there's a big question of: Is it adequately accurate?
4 Is it more accurate than what would happen in a well-run
5 district courtroom? I'm not sure.

6 Now, of course the suggestion is, well, we're
7 going to beef it up, we're going to make it work, we're
8 going to have a restructured, refinanced PTO that's
9 going to be able to do it better, faster, cheaper than
10 the courts could.

11 Well, we already talked about the budget
12 problem. We talked a little bit about the training
13 problem, but consider some of the other basic facts of
14 life at the PTO. Recent reports suggest that in the
15 effort to hire each year a thousand new examiners,
16 they're losing 600 for every thousand they hire, so the
17 gain is 400, not a thousand per year.

18 The salaries are such that in private industry,
19 these same young men and women, often engineers, but not
20 always, can double or triple their salary the minute
21 they walk out of the PTO. That's awfully tempting,
22 pretty hard to stem that.

23 So what do we have? We have a horrendous
24 revolving door. I'm told that the average examiner has
25 been in the corps less than three years. Less than three

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1 years! That's a horrible fact in this country, even for
2 our ongoing system of ex parte examination. If
3 you try to lay on top of that a new beefed up litigation-
4 like re-exam process, are there people there who can do
5 it? Can the examiners do it? Can the supervisors do
6 it? Even the board is also drowning in
7 cases. They've greatly expanded in recent years. I
8 think it's somewhere up to in the neighborhood now of 80
9 Administrative Patent Judges. What do they need, 160,
10 390? No one even knows what they would need to run
11 these trials.

12 Of course, there are many other suggestions,
13 diagnoses by various pretend doctors. One of my good
14 friends suggested inequitable conduct, traditionally
15 called fraud on the Patent Office, should be
16 legislatively removed from the courts altogether and
17 put under the PTO, again with a second sort of
18 litigation-like system, mini-trials within the PTO.

19 I'm not sure they can do it. That is the same
20 desperately under-resourced PTO that can't do its
21 current job right. Pendencies average three and a half
22 years or something like that. In many art groups, the
23 average pendency is even longer than that. That's the
24 status quo. If you're going to give a whole lot more
25 work to those people, I don't know if that makes sense.

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1 Now, of course when you talk about the courts,
2 their awards, people talk about excess damages.
3 Everyone can cite some example of what they consider a
4 horrendously excess damage award. A fair number of what
5 I've read in print turn out to be nonexistent cases.

6 I kept reading about the windshield wiper case
7 where the cost of the car was used as the metric of
8 damages, but I haven't been able to find such a case.
9 And Professors Jaffee and Lerner, who are very highly
10 qualified economists, wrote in their book, which many of
11 you read, that the courts often give double damages and
12 actually cited a case that I was involved in as an
13 example of double damages, and they said that I gave
14 both lost profit damage and reasonable royalty damages
15 to the winning patentee.

16 Well, yeah, the Court did. Of course it did,
17 because it was for different products and different time
18 ranges, two different forms of damages, but they
19 weren't -- but that's not double payment. That's paying
20 once, so there's a lot of misunderstanding out there.
21 There are a lot of apocryphal cases that turn out to not
22 really exist, and there are certainly some very large damage
23 numbers; no question about that.

24 On the other hand, most of those large damage
25 amounts involve very large markets, very large profits,

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1 so we shouldn't be surprised, I wouldn't think.

2 In any event, a few examples, if they're not
3 very representative, hardly prove that excesses are
4 common, but that's the charge, that half the time the
5 damages are wildly out of proportion to anything that
6 would be sustainable in common sense. It's easy to use
7 words like 'appropriate.' The FTC talks about whether
8 damages are 'appropriate.'

9 Well, it's a little bit in the eye of the
10 beholder. What you might think was appropriate I might
11 think was way too little or way too much, but it's a
12 pretty inexact yardstick.

13 Then of course you should look at proportions.
14 How many really large awards are there? Well, by my
15 recollection about five to ten times a year there's an
16 award above let's say 50 million dollars, and the rest
17 are below that, and the median is something like \$3-5
18 million. Does that make out the case that the courts
19 are just kind of nuts and excess damages are kind of
20 doled out right and left?

21 In some of the cases that have been cited as
22 having excess damages, it turned out the damages were
23 later -- were in the jury verdict and later were sharply
24 reduced on post-trial motions by the District Judge as
25 the District Judge is required to do, and in some cases

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1 modified on appeal, so some of the damage amounts that are
2 cited as a problem didn't stand.

3 So does that prove that the system is sick, or that
4 it's actually fairly healthy, and it made the correction
5 in the way it's designed to do, post-trial motions if a
6 jury makes a terrible mistake?

7 Of course one of the most cited examples is the
8 RIM settlement. People say, well, RIM was forced to pay
9 600 and some million dollars, 612 maybe, if I remember
10 the number right, and obviously that's outrageous.
11 That's exorbitant. That's just not reasonable. Well,
12 I'm not sure by what measure I could opine on whether
13 it's reasonable or not.

14 I assume given the skill of the actors in that
15 case, meaning the businessmen even more than the
16 lawyers, that RIM thought it was worth it to pay what,
17 of course, on its face is a huge amount of money to get
18 a license to continue to operate their system that we
19 all use, and probably everybody here has Blackberry in
20 their pocket or their pocketbook or somewhere, and they
21 earn billions anyhow, so maybe it's excessive, but it's
22 not clear to me it's excessive. I'm a bit
23 skeptic about that example.

24 Then the argument keeps shifting. Well, it's
25 not so much the number of infringement suits filed

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1 every year, it's who's filing. Well, why should we
2 assume that a non-manufacturing patent owner shouldn't
3 be allowed to enforce its patent? What is wrong with a
4 university owning patents based on research of its
5 faculty scientists or research institutes or small
6 inventors or small innovative companies that either can
7 or don't want to try to manufacture products themselves
8 but license their inventions so others can make them?

9 Well, are these patentees really illegitimate
10 somehow? I mean, after all, at least up until now a
11 patent has given its owner the right to exclude, not the
12 obligation to make. Then some say, well, it's not so
13 much the non-practicing entities, it's certain companies
14 that don't invent at all, but merely acquire and enforce
15 patents, and of course calling them 'trolls' just confuses
16 the analysis because obviously a troll is a bad thing.
17 It's a pejorative label. (Some people who used to complain
18 about trolls allegedly have become trolls).

19 But I don't think that it's helpful
20 -- it's a slogan. It's a label. It's an excuse
21 to not think carefully about the problem, as far as
22 I'm concerned. It's like talking about 'questionable
23 patents.' It's an excuse to not think carefully about
24 the problem as far as I'm concerned. It's like talking
25 about questionable patents. It's not helpful if we're

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1 going to try to diagnose the real illness and prescribe
2 a useful medicine.

3 Besides, patents, like any other form of
4 property, the essential element of property is it is
5 alienable. You can sell it. You can sell it to anybody
6 you want to for whatever price you want to sell it. Why
7 should that be prohibited? Why should I be prohibited
8 from buying patents if that's what I want to do, whether
9 I invented them or not, whether I am going to practice
10 them or not, whether I'm a research institution or a
11 university or not? There might be some reasons. Maybe
12 some of them are good, but it's not self-evident, at
13 least not to me.

14 Then there's certainly the debate about motives.
15 Well, they just want to acquire patents so they can
16 squeeze royalties out of infringers. Well,
17 yeah. Hey, this is commerce. This is about money.
18 This is not an altruistic system.

19 The whole constitutional idea was that the
20 incentive of monetary gains would motivate innovation at
21 a greater rate and to better ends than if the lure of
22 money wasn't there, so I'm a little dismayed when I see
23 it even creep into footnotes of Supreme Court opinions,
24 that certain patentees were just trying to squeeze money
25 out of the accused infringer.

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1 Well, all kinds of patentees are trying to
2 squeeze money out of the accused infringer. That's what
3 the lawsuit is all about, so come on. Let's be a little
4 more adult about it than to worry about the greedy motive
5 of the patentee. Of course the patentee is greedy.
6 That's the way the system is supposed to work I think.

7 I think it's worth noting too that in the five
8 full years and the month I guess since the pioneering
9 work of the Federal Trade Commission in that first
10 report, a great many changes have taken place, mostly
11 through case law development. A lot of it at the Supreme
12 Court, some of it at our Court and some elsewhere. But
13 mostly in the courts.

14 I would suggest to you that for the most part,
15 not 100 percent, but 70, 80, 90, we pretty well solved
16 the problem of strengthening the obviousness standard,
17 making injunctions less routine, less automatic,
18 whatever you want to call it, raising the bar on
19 willfulness, restricting patent eligibility under
20 Section 101.

21 Beyond those changes, of course, now any and every
22 licensee, even in full compliance paying every month,
23 can challenge the validity of the patents that are the
24 subject of the license, so a whole lot has changed, so
25 even if the diagnosis in 2003 was perfect, maybe it

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1 doesn't apply anymore or for the most part doesn't apply
2 anymore.

3 So again, I applaud the FTC for picking up the
4 analytical trail and looking for new empirical data and
5 bringing in people like all of you here and the stellar
6 panelists, and I'm very sorry to have missed these
7 panels, but I will read about it later.

8 Well, if I think a lot of the challenges that
9 were the biggest have been solved and a lot of the
10 problems have changed in their complexion, that we have
11 a new disease -- the old one has kind of gone away. Maybe
12 the immune system took care of it well enough. What remains
13 the biggest challenges in terms of improving the patent
14 system?

15 Well, I would suggest that it's actually a very
16 broad, almost philosophical, perhaps metaphysical
17 approach, and I would describe it this way. Our goal,
18 all of our goals, should be to try to assure that any
19 changes in the patent system are defined so that they
20 serve all types of inventors, all kinds of companies and
21 entities, all technologies and all stages in the life
22 cycle of each technology.

23 The system, particularly the litigation part of
24 it and the Patent Office part of it, certainly should be
25 as efficient as is practicable, but it also has to be

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1 fair, and it has to be fair to everyone, and it's never
2 going to be super efficient. It's just not in the
3 nature of patent applications or patent infringement
4 lawsuits to be super efficient.

5 So if we're going to strive for that, we're just
6 going to die trying because it's never going to happen,
7 and of course, no system is ever going to be perfect.
8 Every system is going to have certain huge costs. Life
9 isn't fair. Some litigants are going to have a harder
10 time than others, and that will be true if we leave the
11 system absolutely unchanged, and it will be equally true
12 if we change it a lot. All that will change is who will
13 be a little bit disadvantaged, or more than a little bit
14 perhaps, and who will be advantaged.

15 Of course we talk a lot about predictability,
16 and particularly yours truly, but predictability has to
17 be counter-weighed against other values: Fairness,
18 enough flexibility. I certainly agree with the spirit
19 of the *KSR* ruling that over-simplistic or overly rigid
20 rules are to be avoided.

21 So I would say we need to try to make sure that
22 our reforms avoid categorical rules, rigid rules, overly
23 simplistic rules and the like. In other words, they
24 need to be thoughtful, modest, calibrated and balanced.

25 All right. Well, if those are the goals, do I

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1 have any kind of approach, a sort of overall strategy?
2 I started by saying I'm quite sure that judges don't
3 have all the wisdom on this or even most of it, maybe
4 not any of it, but I do think looking ahead to the
5 reform efforts and the Congress and the work of the
6 Federal Trade Commission, maybe The National Academies
7 will get back in the act again as they did the year
8 after the 2003 report.

9 I don't know, but whoever gets in this game and
10 the various coalitions up on the Hill, I would suggest
11 to all of us, would-be reformers (and I count myself
12 among them), that we ought to carefully
13 consider, based on the nature of the precise problem
14 we're looking at the moment, which kind of doctor do we
15 need? Do we need an orthopedist? Do we need a brain
16 surgeon? Do we need an infectious disease doctor?

17 Because if we don't match up the right approach
18 for what the problem is, we're probably not going to get
19 a great outcome, and I would go beyond that to say that
20 I think that in the main, except for those things that
21 can only be done by legislation, we probably will
22 continue to make better progress in the courts,
23 particularly those courts that have the most experience
24 with patent infringement cases, and through case law
25 development, careful, gradual case law development, even

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1 more than legislation, even more than overburdening the
2 PTO or giving it greater powers or requiring that it be
3 deferred to, to some extreme degree. The courts are
4 probably the best equipped to work on most of these
5 problems.

6 Now, I entirely agree with the perspective of
7 the FTC that competitive interests and consumer wallets
8 need protection and deserve protection, and the patent
9 system has to coexist with the antitrust law and
10 competition law and lots of other laws.

11 On the other hand, does it need to be said at
12 this season -- and I'm not talking about the holidays,
13 I'm talking about what's happening in our economy and
14 with the layoffs and with stock prices collapsing -- is
15 it too much to ask that our reforms not only net promote
16 innovation, but also promote job creation and avoid job
17 loss and promote stock values going up instead of
18 precipitously down?

19 Of course, wealth creation is the ultimate goal
20 of the whole thing, and all of these mediations among
21 these competing interests require very adroit balancing.
22 Now, everybody should make their own choice about who
23 they think the best actor is to make rather fine
24 balancing decisions among many competing goals, but for
25 my own money, putting it in betting terms, I would bet

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1 on the courts.

2 This is what courts do all time. This is what
3 courts usually, I think, do pretty well, probably way
4 better than Congress, probably way better than an
5 administrative agency like the PTO, although they of
6 course also have a very big role.

7 Now I want to end with sort of a caution, a
8 suggestion that all of us, as we pursue what would be
9 good recommendations, exercise a lot of discipline on
10 ourselves. Shouldn't we have to ensure that remedies
11 that we recommend don't just state objectives, but
12 define exactly how you're going to get there, with what
13 resources and what mechanisms, and at what costs to
14 somebody else, to other players, to other industries,
15 other technologies, whatever the consideration is?

16 Second, if the mechanisms aren't spelled out, is
17 the reform real? To say the Patent Office is going to
18 invent a great discovery system I think is to talk
19 nonsense. The courts have worked on this for over a
20 half century with great input of the Congress and the
21 Supreme Court, and despite all those decades of efforts,
22 we have the discovery system we have now.

23 Do we really think the Patent Office, in a short
24 space of time, can crack this nut and deliver a great
25 discovery system that's really fast, really cheap,

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1 really fair, really accurate? I don't see how, but
2 maybe.

3 Okay. What other cautions? Look for the
4 trade-offs. Look down the road, to the downstream
5 effects. Are you sure it's going to really net increase
6 innovation if you make this adjustment or that
7 adjustment? Is it going to increase jobs or are we
8 going to offshore more jobs?

9 What about wealth as measured on the stock
10 market or as measured in a patent portfolio? Do we
11 really want to make changes in the patent system that
12 might cut in half the value of every companies' patent
13 portfolio or most companies' patent portfolio? Do we
14 really want to see stock prices drop in half? Do we
15 really want to see more unemployment?

16 Those are possible downstream effects of certain
17 kinds of changes we could make in the patent system, and
18 maybe we should. Maybe there are even higher values
19 than those, but those are considerable values. They need
20 to be weighed. It's all part of the trade-off analysis.

21 Then of course the most obvious of all: Is it
22 affordable? If the Patent Office would need a 10
23 billion dollar budget, it just isn't going to happen.
24 We're just wasting our time talking about it if the
25 reform would require that kind of resource.

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1 So I end with once again applauding the bravery
2 I will say and the rigor of the Federal Trade Commission
3 to approach these exceedingly difficult problems in such an
4 open, transparent way by bringing in all the players,
5 putting people who fight with each other in court and
6 elsewhere and sometimes on panels in this room. This is
7 exactly the right way to do this.

8 If this is all done on an ex parte basis in
9 Congress or wherever, we're not going to get an optimal
10 answer because optimal by definition means pretty well,
11 almost all the time, for everybody. That's what we need,
12 and we'll never get there unless we include all the
13 players in a very open process.

14 So congratulations to the Federal Trade
15 Commission. Thank you very much.

16 (Applause.)

17 MS. MICHEL: I want to thank the Chief Judge
18 very much for those comments, always provocative and
19 interesting, and we appreciate your coming down.

20 We will move on to our next panel, which will be
21 focusing on patent remedies, so if I could call them up,
22 thanks.

23 (Pause in the proceedings.)

24

25

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1 PANEL 2: RECENT AND PROPOSED CHANGES IN REMEDIES LAW

2 MODERATORS:

3 SUZANNE MICHEL, FTC

4 BILL ADKINSON, FTC

5 PANELISTS:

6 THOMAS F. COTTER, Briggs and Morgan Professor of Law,
7 University of Minnesota Law School

8 JOHN R. THOMAS, Professor, Georgetown University Law
9 Center

10 JOHN SQUIRES, Chief Intellectual Property Counsel,
11 Goldman Sachs & Co.

12 Q. TODD DICKINSON, Executive Director, American
13 Intellectual Property Law Association

14 HONORABLE RODERICK R. MCKELVIE, Covington & Burling,
15 Former Judge for the United States District Court for the
16 District of Delaware

17 MR. ADKINSON: Good afternoon. Thanks very
18 much. We're rebooted now. My name is Bill Adkinson.
19 I'm an attorney with the Policy Studies Group in the
20 General Counsel's office.

21 Our second panel is going to focus on remedies
22 in patent litigation. This morning we heard that the
23 damages system was working well and also that it was
24 seriously flawed, so that gives us a fair amount of room
25 to work with.

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1 We're going to focus on the recent
2 and proposed changes in remedy law, their impact on
3 innovation and consumers, and the use of economic analysis
4 in determining remedies. We are going to, in
5 particular, look at what sort of evidence we should
6 consider when granting or denying preliminary
7 injunctions, and whether the legal rules for governing
8 patent damages result in awards that are appropriate.

9 I guess in light of Judge Michel's comment, we
10 will also consider what sorts of evidence should be
11 considered in determining how to evaluate
12 appropriateness, and we're also going to consider
13 willfulness doctrine and how it is altered behavior.

14 We're going to have a terrific panel for this.
15 I'm going to try to do the introductions very quickly.
16 Professor Tom Cotter is the Briggs and Morgan Professor
17 of Law at the University of Minnesota Law School where
18 he's taught since 2006. He's made a series of
19 contributions to the economic analysis of patent law and
20 remedies, including a book coauthored with Roger Blair
21 entitled "Intellectual Property, Economic and Legal
22 Dimensions of Right and Remedies" published in 2005.

23 Then Professor Jay Thomas will speak. He's a
24 professor of law at Georgetown and a visiting scholar at
25 the Congressional Research Service. In addition to

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1 general articles concerning intellectual property, his
2 publications include a hornbook and a treatise on
3 pharmaceutical patents and a case book and textbook on
4 patent law.

5 After him, we'll hear from Todd Dickinson, who
6 is the executive director of the American Intellectual
7 Property Law Association, which is one of the world's
8 leading policy and advocacy groups on IP. He previously
9 served as Undersecretary of Commerce for Intellectual
10 Property, and Director of the USPTO. We heard about
11 the enormous job that the PTO has to do for us. He's
12 also served as vice president and chief intellectual
13 property counsel for General Electric and was a partner
14 at Howrey.

15 John Squires, who will come next, joined Goldman
16 Sachs in 2000 and is presently the firm's first chief
17 intellectual property counsel. He has global
18 responsibility for IP matters. He co-chairs the
19 Securities Industry and Financial Markets Association's
20 intellectual property subcommittee, and he's authored
21 numerous articles and briefs on these issues.

22 Finally, we will hear from Rod McKelvie, who is
23 co-chair of Covington & Burling's intellectual property
24 litigation practice, and he teaches patent enforcement
25 at George Washington. From 1991 to 2002, he served as

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1 United States District Court Judge for the District
2 of Delaware and presided over a number of patent
3 infringement cases. He's been named one of the top
4 intellectual property lawyers by leading publications.

5 So thanks very much. Professor Cotter.

6 PROFESSOR COTTER: Thank you. I'm going to try
7 to present rather quickly just an overview of patent
8 remedies and focus more specifically on three or four
9 specific issues within the body of law relating to
10 patent remedies, and then hopefully we will have some
11 time during the question and answer period to elaborate
12 on some of these issues more carefully.

13 So let me begin just by setting forth this menu
14 of various possible remedies for patent infringement.
15 Initially I want to focus on two things in
16 particular: Permanent injunctions and ongoing royalties
17 as a substitute for injunctive relief.

18 You can see from the slide that I'm using the
19 terms property rule and liability rule that follows
20 terminology developed by Calabresi and Melamed in their
21 influential Harvard Law Review article of 1972. We would
22 say that a legal entitlement is protected by a property
23 rule if the remedy for invasion of that entitlement is a
24 right to injunctive relief, a right of exclusion.
25 Alternatively, a legal entitlement would be protected by

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1 a liability rule if the remedy for invasion of that
2 entitlement is monetary damages.

3 So the question then is: What are the
4 advantages and what are the disadvantages of property rules
5 versus liability rules, specifically with respect to
6 patent infringement?

7 I think it's fair to say that the property rule
8 entitlement has a number of advantages when we're
9 talking about patent infringement: One, just the
10 characterization of patent rights as property, according
11 to Section 261 of the Patent Act. But more importantly
12 from a policy basis, protecting a patent by means of a
13 property rule effectively channels the parties, the
14 patentee and the would-be user, into private
15 transactions.

16 The theory would be that the patentee and the
17 would-be user have an informational advantage over a
18 court or other government entity in estimating the value
19 of the patent. They have private information that they
20 can use to come up with the terms of a license.

21 On the other hand, a court trying to replicate
22 or estimate the value of the patent may face higher
23 error costs, greater administrative costs.

24 Another advantage of a property rule entitlement
25 in this context is that the patentee and the would-be

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1 user can craft their own remedy, whether that be the
2 development of a patent pool or creating other types of
3 institutions to reduce transaction costs. They can be
4 more creative than a court can be.

5 Finally, usually we're talking about a
6 relatively small number of parties, one of the factors
7 that tends to weigh in favor of liability rule
8 entitlements is when there are a potentially large
9 number of parties. When the number is small, according
10 again to the Calabresi and Melamed framework, a property
11 rule entitlement may be more sensible.

12 That said, there still may be some advantages to
13 protecting patent rights by means of a liability rule
14 entitlement, at least in certain types of cases, and so
15 one traditional rationale for at least occasionally
16 departing from the property rule framework would be to
17 have this safety valve in place to safeguard the public
18 interest.

19 So, for example, when the federal government
20 wants to use someone's patented technology, for well
21 over a hundred years, the government has had the ability
22 to do so upon paying just compensation pursuant to
23 Section 1498.

24 Another debate that's going on in the
25 international patent community is the debate over

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1 whether developing nations should have the right to
2 compel the licensing of pharmaceutical patents in order
3 to ensure an adequate supply of essential medicine. So
4 at least in some contexts, it may make sense to protect
5 patent rights by a liability rule as opposed to a
6 property rule.

7 More recently in this country, the debate has
8 centered on patent hold-up, and so one possible reason
9 again to depart from the property rule framework would
10 be to protect against patent hold-up, which I would
11 define in the following terms. I'll come back to this
12 again in a few minutes, but when we're dealing with a
13 patent on a component, that is to say, some relatively
14 small-value aspect of a larger end product, and the
15 defendant is infringing that component's patent
16 inadvertently, giving rise to surprise, and the hold-up
17 value exceeds the inherent value of the technology. For
18 example, the cost of switching ex post, once you're
19 locked into a particular end product formulation, may
20 exceed the ex ante value of designing around. So when
21 those conditions are present, it might make sense to
22 depart from the property rule framework and opt for a
23 liability rule.

24 So in terms of the legal doctrine, everyone in
25 this audience I'm sure is familiar with the eBay case in

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1 which the Supreme Court ruled that the Federal Circuit
2 rule that the prevailing patentee is entitled to
3 injunctive relief absent exceptional circumstances, is
4 incorrect, but also the Court, in Justice Thomas'
5 unanimous majority opinion, appears to reject any bright-
6 line rule that non-manufacturing patentees are never
7 entitled to injunctive relief.

8 So instead, Justice Thomas says the courts
9 should apply this so-called traditional four-factor test
10 focusing on whether the plaintiff can show irreparable
11 harm, no adequate remedy at law, that the balance of
12 hardships favors the entry of injunctive relief, and
13 that the public interest would not be disserved by the
14 entry of injunctive relief.

15 A couple concurring opinions: The Roberts'
16 concurring opinion suggesting that maybe *eBay* doesn't
17 really change very much in the vast majority of cases;
18 the Kennedy concurring opinion perhaps arguing for a
19 greater role for compulsory licensing.

20 The question of interest today I think is how
21 the court should go about interpreting *eBay*, what are we
22 seeing so far, and where should the law be headed. I
23 think some of the lower courts, I think correctly, have
24 interpreted *eBay* as discarding the presumption of
25 irreparable harm, and many of the district courts, as we

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1 heard this morning, seem much less inclined to grant
2 injunctions with respect to non-manufacturing patentees.

3 I think the interesting policy question we
4 should be focusing on though is: What factors should
5 the courts be looking to for guidance in determining
6 when to opt for the damages remedy only. And I would
7 suggest here that where a lot of the research and
8 discussions should be headed is: What sort of factors
9 are good proxies for the existence of patent hold-ups,
10 so can we identify and isolate certain factors to look
11 for in determining whether the threat, the risk of
12 patent hold-up is substantial or not?

13 There's an interesting recent article by
14 Denicolo, Padilla, Layne-Farrar, and Geradin that
15 actually goes into some detail, coming up with a variety
16 of factors that should be present for patent hold-up to
17 exist, and I think that's where the research ought to be
18 going.

19 Other factors that may play a role in some other
20 cases, I'm listing up there, and I think we do have to
21 be cognizant of the possibility that if we abandon
22 injunctive relief in too broad a swath of cases, we
23 could actually be in violation of TRIPs Article 28.

24 In terms of procedural issues, some recent
25 Federal Circuit case law suggests that in a case in

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1 which a Court decides not to award injunctive relief, it
2 may be preferable to have the parties try to craft their
3 own compulsory license before the Court weighs in, and
4 I'm still trying to sort through whether that makes
5 sense, but I think there is a risk here.

6 In those cases -- and it may be a small number
7 of cases, but in those cases in which the Court has
8 decided that injunctive relief is not appropriate,
9 perhaps due to the risk of patent hold-up, I wonder if
10 then asking the parties to craft their own damages
11 remedy in effect just restores the risk of patent
12 hold-up being exercised. I'm not sure this is the right
13 approach in this type of case.

14 I think there's also a substantial question as
15 to whether there's a right to a jury trial on the amount
16 of the ongoing remedy. The Federal Circuit has held
17 that there is not, but I'm not sure that the analysis
18 fully grapples with this body of law dealing with the
19 7th Amendment. I think it's an issue that we may have
20 to confront more deeply.

21 On the questions of damages, I'll skip the
22 provisions here of the Patent Act, again I assume some
23 familiarity with this, and just focus briefly on the
24 theory, damages theory and how closely does the law of
25 damages conform to the theory.

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1 My own proposal, which is based on a series of
2 papers I've coauthored with Roger Blair over the years,
3 is that we should start with a baseline assumption that
4 patent damages should render the patentee no better off,
5 and also no worse off, than the patentee would have been
6 but for the infringement, and that departures from that
7 baseline may sometimes be necessary to avoid the risks
8 of either over or under-deterrence. In terms of lost
9 profits damages, that would mean restoring the patentee
10 to the position it would have occupied but for the
11 infringement.

12 In terms of reasonable royalties, again this
13 theory would suggest that the ideal measure of
14 reasonable royalties would be to replicate the bargain
15 the parties themselves would have struck ex ante,
16 assuming patent validity and infringement. You need
17 that assumption in order to avoid a double-discounting
18 problem, which I can elaborate on, if necessary, during
19 the question and answer period.

20 That hypothetical bargain then should wind up
21 reflecting the expected value of the patented technology
22 in comparison to the next best alternative, again
23 possibly subject to some adjustments in order to avoid
24 either over or under-deterrence.

25 So where is the law currently? I think the law

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1 of lost profits is actually pretty much in conformity
2 with what our theory suggests, particularly the Rite-
3 Hite case, in which the court seems to opt for this but-
4 for analysis.

5 In terms of reasonable royalties, I think it's
6 less clear, and a few problems that I think are
7 currently at play with respect to the law of reasonable
8 royalties. One is that some recent Federal Circuit
9 opinions state that reasonable royalties may exceed the
10 amount the parties would have negotiated ex ante or even
11 the defendant's entire expected profit from the use of
12 the patent. I question what the logic of that value
13 would be since, by definition, this measure would exceed
14 anything that the parties would have actually negotiated
15 in the real world.

16 The other bone of contention is this whole issue
17 of whether the royalty base should be the entire market
18 value of the final product. We heard some discussion of
19 that this morning, and so one issue is this: Is this
20 basically a reasonable proxy for the ideal of trying to
21 replicate what the parties themselves would have come to
22 because in reality we may not be able to replicate that
23 bargain very carefully or very, very well?

24 So is using the expected market value -- the
25 expected market -- the entire market value of the final

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1 product a good enough proxy, assuming you use the right
2 royalty rate in connection with that royalty base? Or is
3 this bad policy because for whatever reason, it risks
4 inflating the value of the patent in comparison to the
5 next best alternative?

6 Then a third question, really an institutional
7 question is: Even if, in theory, there is some better
8 way of valuing, of estimating the reasonable royalty, is
9 it worth the cost? Would we be gaining very much in
10 terms of more accuracy, and would that be cost justified
11 if we adopt more complex methods for calculating
12 reasonable royalties as was suggested in some of the
13 versions of the Patent Reform Act that were before
14 Congress last year?

15 Then in terms of enhanced damages, I'll leave
16 that to Judge McKelvie to talk about that, but again the
17 question is whether the *Seagate* case more closely aligns
18 the legal standard now with the underlying rationale for
19 enhanced damages, again that rationale being to bring a
20 greater level of optimal deterrence, avoiding both under-
21 and over-deterrence of patent infringement, and I'll
22 stop there.

23 MS. MICHEL: Thanks, Tom, very much. We will
24 hear from Jay Thomas next.

25 PROFESSOR THOMAS: Thanks a lot for having me

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1 here, and it's always a delight to speak to such a
2 distinguished audience and be on such an impressive
3 panel.

4 I saw a few of you I think across the street at
5 Georgetown for lunch, and I hope that the fine offerings
6 of our salad and taco bar were not overly off-putting. I
7 think I also see a few Georgetown law students here
8 today, which I find fairly shocking, and I just want to
9 warn you that none of this is on the exam, so there's
10 not much reason to be here, but for that fact.

11 Let me also note, Professor Cotter is a tough
12 act to follow because Tom's been really a leading light
13 in the profession in dealing with remedies. He's
14 someone who recognized their importance a long time ago.
15 Recent events have focused a lot of attention on patent
16 remedies, there's much more demand for precision
17 remedies in the damages sphere than before.

18 Part of that is, of course, the increasing
19 attractiveness of the patent system. Part of it is
20 expanded efforts to obtain value from patents through
21 new or at least expanded industrial models, and indeed a
22 third model is of course the *eBay* case. After *eBay*,
23 courts can no longer rely upon the notion that a
24 permanent injunction is inevitable and the parties will
25 simply bargain away prospective royalties.

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1 They must look -- provide forward looking
2 remedies in many cases -- and of course they have to
3 confront the reality of trying to set royalties and
4 other damages amounts. That makes it much more
5 difficult and puts a lot of attention on how little we
6 know about how to assess patent damages.

7 Here's Judge Rich from his well known line from
8 *Application of Kirk*, his dissenting opinion. He speaks
9 to the legal beauties of a system where the marketplace
10 automatically values patents based on the value of the
11 inventive contribution.

12 Well, the quotation is accurate to an extent.
13 It's accurate to the extent that it does speak to the
14 patent system as the least expensive alternative to
15 other options as an innovation engine, for example, a
16 prize system. Of course, that's an unusual observation
17 today as prize systems seem to be picking up. There are
18 more prizes it seems out there for technical
19 contributions than there were before.

20 The notion, which is really black letter law for
21 generations of patent attorneys -- this quotation is in
22 many of the case books and has been in many of the case
23 books -- it's very much lacking. It doesn't evince the
24 fact that patents are unique intangibles that are among
25 the most difficult entitlements to evaluate.

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1 How do we do it?

2 We have elaborate models based on cost
3 reduction, cost of substitution, innovation, advanced
4 income streams, but these things are very difficult to
5 pull off, and cost members of industry a great deal of
6 time and effort.

7 Also, to say that the market evaluates the patent
8 really misstates the matter, because the market doesn't
9 value patents abstractly. It values patents based on
10 what courts say the patents are worth, so courts can't
11 look to the market. Jurists have to look to themselves
12 to evaluate patents first, and the market will follow,
13 so having a market-based valuation is simply circular
14 and misleading. Again, courts must do the work on their
15 own.

16 In addition, the quotation says, Well, the value
17 is based on what the patentee brings. In part it is,
18 but patent value can be based on exogenous factors. It
19 can be based on who owns the patent, who owns other
20 patents that may be out there. Other laws, for example,
21 FDA marketing approval, may limit the value of what the
22 patentee has brought. Even consumer and manufacturer
23 lock-in.

24 So it seems just this basic quotation that
25 informed patent valuations for decades is really subject

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1 to doubt in view of current circumstances. We have to
2 think about this further.

3 What are some of the informing principles?
4 We've heard a lot about them already today.
5 Administerability is one. We don't want courts to have
6 to spend an overly excessive amount of time, in view of
7 their other obligations, to resolve patent damages.

8 Again patents can account for external -- patent
9 remedies and damages in particular can account for
10 external factors. For example, do we want to not
11 discriminate against or should we in fact privilege
12 certain patent exploitation models? For example, the
13 current damages scheme, as most of you know, does not
14 allow disgorgement as a remedial measure. It gives lost
15 profits, but only for patent providers who are in direct
16 competition with the adjudicated infringer.

17 In a sense that privileges an exploitation
18 model over a non-exploitation model, or can be viewed as
19 doing so. Is that something we should sustain or further?
20 Is that something we should avoid? We've heard already
21 about encouraging private bargaining. Certainty of
22 remedies is said to encourage private bargaining because
23 it allows members of industries to act in the shadow of
24 the law.

25 However, too much certainty can often encourage

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1 aggressive behaviors. At least that's the theory of one
2 of concurring opinions in the Supreme Court in the eBay
3 case. An automatic right to an injunction in every case
4 would encourage aggressive trolling practices, according
5 to one of the Supreme Court opinions. We ought not to
6 allow that. We ought to put a little play in the joints
7 to soften behaviors of rights-holders.

8 Deterrence, there's the notion I've heard from
9 several people, a very memorable quotation from a
10 colleague here that, why should anyone put a quarter in
11 the parking meter if the fine's a quarter? Why should
12 the damages just be what we would privately negotiate?

13 Of course, that view, though it's very intuitive
14 and strong, perhaps there's some other
15 influences, and one might be the notion that we rely on
16 accused infringers to clean out invalid patents from the
17 public rolls, so we need that incentive for them to be
18 willing to litigate, even if sometimes they're wrong.

19 Also we need flexibility in our damages
20 principles because market structures and technologies
21 differ, and we want to be able to apply future learning
22 readily.

23 So looking at some of those background
24 principles, what are some of the current issues that
25 some of us perceive are problematic? Well, as we know,

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1 reasonable royalties are commonly determined through a
2 hypothetical negotiation framework. One of the big
3 questions now is: Is that framework essentially
4 useless? It may be useless in part because courts
5 commonly discard the framework when they don't feel it's
6 appropriate. What is it really adding to other
7 sorts of factors?

8 Courts commonly disregard this construct when
9 they face who they regard as strident patent owners --
10 patent owners who would never settle under any
11 circumstances -- so they simply throw it out and embrace
12 negotiations that don't allow the infringer any room for
13 profit.

14 They say it's a legitimate prospect to allow
15 infringers to negotiate patent deals that would leave
16 them at a loss for each and every unit that they sell.
17 So we see a lot of cases, and I just picked a couple
18 cases. I've written works that talks about other
19 opinions. One recent case, *Mitutoyo*, the royalty is the
20 entirety of the infringer's profit. The reasonable
21 royalty is in fact a prohibited grant of damages under
22 our Patent Act, which makes it a disgorgement measure of
23 lost profits.

24 Congress allowed that measure for design profits
25 but not utility patents that's allowed by the courts

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1 under the guise of a reasonable royalty, so in effect
2 the courts have expressly disregarded Congressional
3 instructions over the royalty rate.

4 We also have *Monsanto v. McFarling*, one of the
5 notorious bag-tag cases where the damages exceeds the
6 price of the product, not to mention profits, well over
7 the price of the product. And of course that's a case in
8 view of *Quanta*, but I'm not even sure the patent right
9 extends that far to descendants of seeds that were
10 originally sold.

11 So I believe there are some problematic cases,
12 but certainly it's correct that there are some cases
13 that are resolved, apportionment of royalties and
14 reasonably royalties, fairly. And I do believe there is
15 room for disagreement about the extent of the problem,
16 and that's a contribution that the FTC can well make.

17 What we do know is the average royalty award is
18 over 13 percent. By itself that number doesn't have a
19 ton of meaning. If the profit rate in one industry is
20 70 percent, 13 percent doesn't seem that bad. However,
21 we know the profit rates are not that high in most
22 industries. They're substantially lower.

23 Certainly when I was in practice the industries
24 I dealt with, if I had come back to my client with a 13
25 percent royalty settlement, I would have been in academia

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1 years before I actually joined, okay? They wouldn't
2 have had me any longer than that, so it's a rate that
3 seems high, but again I think more work could be done on
4 the basis for comparison.

5 How about lost profits? Interesting strains of
6 thought here. Remember that lost profits aren't
7 available unless we have a case of direct competition.
8 Some scholars like Professor Lemley think that in fact
9 it may be too difficult to show lost profits. That's
10 why we're having contortions on the legislative minimum
11 showing of reasonable royalties, why they're not often
12 that reasonable on further observation, and why we
13 ought to make lost profits more broadly available.

14 It's important to note though by rejecting
15 disgorgement and requiring the legal damages of lost
16 profits, that Congress has said effectively that lost
17 profits -- the damages for patent infringement -- are going
18 to exceed the gains.

19 That's often the case due to the impacts of
20 competition, and the notion of consumer surplus. That's an
21 impact -- the damages regime has tremendous impact on our
22 public health system because it strongly discourages
23 generic applicants from competing because their damages
24 may be much greater than any profits they gain under the
25 Hatch-Waxman regime. It's something that again has

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1 tremendous influences just on the public health system,
2 not to mention other innovative industries.

3 Apportionment remains one the big topics for
4 debate. Apportionment is part of our law. It stands
5 among the *Georgia Pacific* standards. Many of us believe
6 that it's been unevenly applied, and when it's been so,
7 implicates the same policy rationales that patent claim
8 scope does.

9 Why are we so concerned about construing claims
10 accurately, having claims scope precisely defined over
11 the prior art, if at the remedial phase it's of little
12 value?

13 The entire market value rule, too, means that this
14 patent, if it's found to be the entire market value of
15 the competing device, it means there can only be
16 one such reward, that the infringer has nothing left, and if
17 that if the product infringes in the future, the patentee
18 should go -- the subsequent follow-on patentee should go
19 not to the infringer but to the original claimant and
20 seek a portion of its damages.

21 Well, I'm running out, but let me just note
22 that: What are some problems that the FTC might
23 productively engage in or we all can think about? One
24 thing is like the patent system itself, patent damages
25 are incompletely theorized. We don't know much about

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1 patent damages, and we haven't thought much about how
2 damages pair with different aspects of the patent system
3 in terms of its goals.

4 The thing is the patent system is not just
5 about one goal. It's about incenting innovation. It's
6 about incenting disclosure. It's about encouraging
7 investment. It's about breaking the Schumpeterian form of
8 vertical integration. Whichever one of those goals
9 you privilege would influence which remedial scheme you
10 might adopt.

11 I certainly would know we have a growing
12 availability of empirical studies. Houston and Stanford
13 are getting more numbers down, but often those are just
14 reports of numbers. Someone is going to have to crunch
15 them. We need to recognize structural limitations.

16 The courts, in view of some, may be the superior
17 actor for deciding these issues. The difficulty is, at
18 the appellate bench level especially, given the short
19 amount of appellate time for appellate advocacy and
20 brief limits, most litigants, of course, are going to
21 try to defeat the judgment generally by saying that the
22 patent would have been obvious or we don't infringe.

23 They're not going to argue about the damages
24 award. That's often an afterthought, and damages are
25 not often properly framed before the Federal Circuit.

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1 We have about 16,000 attorneys and agents. We
2 represent clients on all aspects and all sides of these
3 issues, and we care deeply about the system, so
4 hopefully these comments will be constructive.

5 Also as was mentioned, I was the director of the
6 USPTO too, and the number of the challenges and the
7 number of perhaps the solutions that we're going to talk
8 about may also lie there. Many of what we're talking
9 about in the remedies area, big R remedies, discussions
10 particularly around patent reform legislation are
11 focusing on perhaps the end of that process, litigation.

12 I think we're starting to see the beginning of a
13 discussion that says maybe we should also be focusing,
14 maybe preferentially focusing on the front end of that
15 process, helping reform and resource issues at the PTO.

16 Just a little bit on that: There's a couple
17 studies coming out or have come out showing the
18 magnitude of the increasing problem. Let me see if I
19 can get my slides up to by the way. No?

20 I'm going to stop right there for a split
21 second. When I came into the office about a decade ago,
22 I used to give speeches talking about the horrendous
23 problems facing the office because their workload had
24 doubled. The budget had doubled, but the hiring had to
25 double, and it was an increasing management challenge.

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1 Now, a decade later, the budget has doubled, but
2 the workload has more than doubled. The number of
3 applications coming in has doubled. Pendency has gone
4 up from 24 months from the first office action, 24 to 32
5 months. It's been reported publicly by the office that
6 if you file an application in the health insurance
7 business methods 7054, you will get a first office
8 action in nine years. That's a problem.

9 Let me first thank the FTC for holding these
10 hearings. This is I think some measure, a follow onto
11 the very good work that was done again almost a decade
12 ago. I had a chance to testify back then a couple
13 times, and I appreciate the chance to be here again
14 today.

15 One of the comments that came out of the report
16 that I used to make and sort of tweak Suzanne and Bill
17 and their colleagues was all the evidence they were
18 collecting seemed pretty anecdotal. They replied, Well,
19 if you get enough anecdotal evidence, it becomes
20 empirical, okay, but let me perhaps suggest that I know
21 other speakers, and I know others have, that maybe
22 there's also room for good some empirical studies in
23 this area as well, since that time has passed.

24 Also let me start off by saying I have like 40
25 slides in five minutes, so I will move through them

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1 pretty quickly and hopefully stand with the record. Let
2 me thank my good friend and colleague, Steve Kunin
3 who has helped me with the slides and who
4 also was my colleague at the PTO.

5 As I'm sure many of the people have said, the
6 concerns regarding the inadequacies that we're talking
7 about have been addressed since that time, since the
8 2003 FTC report, in various ways but particularly through
9 the courts. I think the Supreme Court certainly sent
10 the signal on a number of issues, but that signal has
11 been picked up I think very affirmatively by the Federal
12 Circuit.

13 You heard the Chief Judge a minute ago. He's
14 been, I think many people, know in particular saying, Give
15 us even more cases to take up some of these issues.
16 I think given the mechanisms for reform, I think people
17 are taking a good hard look at where that's a continuing
18 good option.

19 A lot of what he said, by the way, if you will
20 accept my apology, I don't usually quote Rush Limbaugh,
21 but I would say ditto to what the Chief Judge said in
22 large part. I think he's had a long experience, and I
23 think in many cases he is making good recommendations.

24 Again just quickly, we've seen these four basic
25 categories or types of remedies. I think I'm not going

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1 to go into quite as much as Professor Cotter did about
2 the specifics of them. They're in here.

3 What I'll probably touch on is some of the
4 impact and some of the policy, political reform nexus
5 that some of them have given rise to and how that
6 complicates the challenges that we have in crafting
7 remedies going forward. I know we have good friends
8 from the legislature here and from the Congress here
9 today.

10 Having been involved in this now for three or
11 four or five years, I don't envy their task. One of the
12 challenges they faced of course is that everybody is
13 extremely passionate, turns out to be passionate about
14 these issues, amazingly, and that passion translates into
15 pretty strong rhetoric. So one thing I hope we get
16 through and I hope the FTC facilitates is cutting
17 through a lot of the rhetoric and getting to the meat of
18 the matter.

19 Again back in 2003 almost every permanent
20 injunction was granted. I think we know that. There
21 were concerns though, as was discussed this morning and
22 I know a lot, this issue of non-practicing entities
23 giving rise to a distortion of the system, and so the
24 eBay case, which in the reform debate, the reform debate
25 and legislatively, injunctions was far more provocative,

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1 far more heated for a period of time than even damages
2 is today.

3 Then the Supreme Court takes *eBay*, and I have to
4 disclaim I was a witness in the *eBay*, so a little
5 disclaimer upfront, and all of the tension, all of the
6 stress seems to go out. Everybody seems to feel that
7 Justice Souter hit it right down the middle on that one,
8 and maybe he did.

9 We're seeing it evolve as I think
10 several speakers have mentioned. Non-practicing
11 entities in particular are learning to live with it.
12 Others who are technically I guess non-practicing
13 entities have got to figure out how to, and that's where
14 I think we're going to see -- hopefully see a little
15 more flexibility in the system.

16 Universities are a good example. Research
17 institutions. There are commercial entities who are not
18 just gathering patents for the sake of gathering them
19 and licensing them, but whose business is licensing
20 them. We have representatives that I know are here in
21 the room today from those companies, and I think they
22 should have a fair shot at convincing us that their
23 business models is also deserving of this, even though
24 they don't technically make the product.

25 The result is they're no longer automatically

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1 granted. They do require this equities balancing,
2 which seems fair enough. This probably
3 will affect the probability of settlement.

4 Another area that wasn't talked about too much,
5 let me just get my water -- wasn't talked about too much
6 is the effect on declaratory judgment actions. Now,
7 traditionally you can get a declaratory judgment,
8 can initiate a declaratory judgment, if you feel, within
9 limited circumstances, that you've been directly
10 threatened by a patentholder.

11 There's some advantages of bringing that action,
12 of course, procedurally. But the limits of that threat,
13 the perceived threat have been tested, and the Supreme
14 Court fairly recently in the *MedImmune* case clarified it.
15 What's been the impact of that?

16 Well, the Federal Circuit is going to take that
17 up to delineate what the boundaries of that are. That
18 was kind of a case that came in a little under
19 the radar, but I think is getting a little more focus
20 now because of the impact of loosening how those actions
21 can be brought.

22 It will hopefully remove more business
23 uncertainty because it gives the opportunity as a
24 mechanism for cleaning out some of the underbrushes.
25 We're talking about a lot of mechanisms for dealing with

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1 patents which perhaps should not have been granted in
2 the first place or were too broad or lower quality. Yet
3 here's one more mechanism among a number that we've
4 talked about that have evolved in this last decade that
5 can be helpful in doing that. The Federal Circuit has
6 enumerated several types of behavior that can give rise
7 to it. They're a little different than they were in the
8 past.

9 There seemed to be -- there was a lot of worry
10 right after that decision was granted of whether that
11 would lead to there being no way to avoid declaratory
12 judgment. I don't think it's played out that way. I
13 think most observers will say the Federal Circuit, as
14 they traditionally do, began to shape, delineate, bring
15 into focus when it can be used and when it cannot be
16 used. As it says here a very careful factual analysis
17 is always important, and it will continue to evolve
18 further as we get more refinements.

19 Part of the challenge I think we have, and I'm
20 speaking personally, is back to this rhetorical
21 question: Probably this is also part of
22 my experience at GE and other places where we had
23 technologies at each end of the spectrum, and we needed
24 to have careful balance.

25 We need to watch the rhetoric. We need to make

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1 sure that the reality matches the problem, and the
2 reality certainly matches any proposed solution.
3 I've heard the sky is going to fall in too many
4 times, and when it hasn't fallen in, to not be a little
5 skeptical of that. On the other hand, as Chief Judge
6 Michel certainly said, this system is too critical, too
7 critical to the economic development of this country and
8 certainly the future economic development of this
9 country, to tinker with theoretically. We need to make
10 sure what we're doing has a great basis in fact.

11 The issue of willful infringement. Again
12 traditionally there's a lot of concern about willful
13 infringement, a lot of concern about the enhanced
14 damages that flow from that. There was a desire for
15 reform. We actually heard that in a couple cases
16 starting with an en banc in *Knorr-Bremse*, and
17 then the *Seagate* case. They actually basically reversed
18 the *Underwater Devices* limited duty of
19 care, and established the objective recklessness
20 standard. Again like these others, a theme is
21 working it's way. The sky didn't fall in.

22 Someone is going to talk, speaking to the young
23 man out there, we were talking about interrupting Chief
24 Judge Michel. I said, Don't do that, you're a law
25 student. The first thing I learned is never interrupt a

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1 judge. The second thing is always agree with a judge
2 when you can, so even though Rod is no longer a judge,
3 I'll agree with a lot of recommendations he's going to
4 make here in a second, even though he hasn't made them
5 yet. I thought he was going to go ahead of me. Sorry.

6 So what are the consequences? Harder to obtain
7 injunctions, harder to obtain damages. The recent state
8 of 101 cases brings into question whether this expanding
9 patentability that we've given -- usually taken a lead
10 on globally in the United States -- is now in question.

11 How is that going to affect damages, the
12 royalty? We'll see. I think we'll see is the question.
13 Well, that's what we're here for. These are some of the
14 questions we have to consider: What are the remaining
15 problems, what are the best approaches, and if you have
16 a legislative stalemate in particular, which has been a
17 major problem, a major challenge, let's say because the
18 forces seem to be balanced very interestingly, and while
19 the debate tends to be framed as oh, high tech versus
20 bio pharma, it's not anywhere near that simple.

21 Where you stand on all these many issues, the
22 alliances ebb and flow, form and reform. So the
23 complexities of having to do this whole package
24 legislative are great, so some have suggested maybe some
25 of those issues like damages and inequitable conduct,

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1 both of which are made by the courts, the reform might
2 be best left to the courts.

3 Others are going to talk a lot about damages, so
4 I won't spend a lot of time on it in my remarks other
5 than to comment on again this issue of how the debate is
6 played forward, and I want to frame one thing. Jay
7 Thomas, Professor Thomas has an excellent paper on the
8 impact of *Georgia Pacific*, can judges and juries get it
9 right?

10 A good colleague of mine both at Howrey and
11 formerly AIPLA president, Bill Rooklidge put out a paper
12 saying roughly the opposite. That's not to say they
13 were both wrong or right. It's to I think highlight the
14 fact and the challenge in figuring out from currently
15 available data just what the right -- first of all, the
16 problem, then to figure out what the right solution is.

17 It's true. The high tech community is plagued
18 by non-practicing entities in certain ways. It's true,
19 non-practicing entities, in certain cases, have figured
20 out a business model that's appropriate under the law to
21 make some buck, and their shareholders made zero
22 value.

23 It's true that biotech and pharma need
24 significant protection because their business model will
25 rise or fall. It's not a matter of just getting hit for

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1 a large amount of damages impact. Their companies may
2 fail. Balancing all these out, that's what we're here
3 for, but it's very, very difficult.

4 These are some of the observations. I need to
5 wrap up, so maybe we can get to them in the questions.
6 I mentioned Chief Judge Michel. Legislative actions,
7 here are some suggestions: Post grant review, become
8 more of a controversial question.

9 Interestingly enough, this is the cornerstone in
10 many ways of the FTC's recommendations and the DOJ's
11 recommendations, but we have struggled to try to figure
12 out exactly how to do this post-grant review process.
13 There are a lot of subissues in it, second window. For
14 example, there's a lot of consensus around first window,
15 doing it for a brief period of time after a patent
16 issues.

17 Second window, very difficult. The House tried
18 to, in their work, reform inter partes reexamine. That
19 may be an appropriate way to go, but we're starting to
20 see inter partes re-exam. People are saying, Oh, it's
21 great, people are using it. Some of the current
22 anecdotal evidence data suggests they're using it for
23 tactical reasons to prolong litigation and to draw the
24 things out as opposed to the reason it was proposed
25 initially, and what oppositions was proposed for which

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1 is to reduce the need for litigation and reduce the
2 cost.

3 So we have to watch that too. The law of
4 unintended consequences is probably the law where I got
5 most of this.

6 Let me thank you. Let me make one final quick
7 comment about the USPTO. As I said, I think that one
8 of the things that should -- that the FTC may take even
9 further view on and testimony on is how some of what we
10 regard as remedies might be affected positively, little
11 R remedies, by a closer and more resource-driven focus on
12 the front end of the process and reforming PTO.

13 And I noticed Herb Wamsley and Steve and I and a
14 number of former executives at the PTO have come
15 together and are putting out a report under the aegis of
16 the U.S. Chamber of Commerce which addresses a lot of
17 these reforms. I know the new administration will take
18 a careful look at it, and the PTO will.

19 Substantively, I think a great development -- the
20 PTO, as I understand it, has advertised for a chief
21 economist, and I think one of the things, they've had a
22 challenge in the past is getting the kind of empirical
23 data and the kind of theoretical view of the impact of
24 their work, and I know that the FTC has benefitted from
25 that in the past, and hopefully that will benefit the

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1 future here. Thanks.

2 MS. MICHEL: Thank you.

3 Now we have John Squires.

4 MR. SQUIRES: Thank you. I also should disclaim
5 that the remarks and opinions are my own and not the
6 product of my firm's research nor the industry
7 associations I represent.

8 From a financial services industry standpoint, I
9 probably should also disclaim that past performance is
10 no guarantee of future results, but given the current
11 state of play, that's probably not funny. Let's hope
12 not.

13 I would like to first like to thank the
14 Commission for --

15 UNIDENTIFIED SPEAKER: You still have a job,
16 don't you, John?

17 MR. SQUIRES: Well, we'll see after the speech.
18 I would like to first thank the Commission for putting
19 this together. Today's panel is timely and topical
20 because we're seeing a market failure in the marketplace
21 for ideas. If we listen closely to the marketplace
22 for ideas, it's echoing a similar message that the
23 financial markets are sending; that is, over-stressed
24 and outdated rule sets are causing a lack of
25 transparency, leading to a mispricing of assets.

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1 Now, the stressed and outdated rule set here,
2 and that is the subject of discussions specifically, is
3 the entire market value rule construct for patent
4 infringement damages. Now, the asset mispricing
5 occurring are the patents, which are no longer able to
6 be priced based upon fundamentals.

7 Now, the last time we saw this in our industry,
8 the symptom of this phenomena, was with the automatic
9 injunction rule, and that was at issue in the eBay case.
10 As a result, the four major financial industry
11 associations came together, and these associations
12 comprise many thousands of members, and filed their first
13 amicus brief on patent law to the United States Supreme
14 Court in order to shed light on the contours and
15 specific market effects of this problem.

16 Now, we argued successfully that courts should
17 have the discretion in appropriate circumstances to
18 balance competing interests and harms. One such
19 circumstance that we point out was where an injunction
20 would disrupt or dislocate the U.S. financial system
21 markets or exchanges. Another is where the enforcer is
22 a non-practicing entity which provides no goods or
23 services.

24 Now, the practical result for me today tells us
25 that the market works, that patents can and should have

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1 more value in the hands of commercial competitors
2 versus non-practicing entities. Monetary damages may in
3 fact make a non-practicing entity whole, whereas
4 commercial competitors may suffer irreparable harm.

5 Now, if we carry this concept forward, we have
6 to ask: Well, then, what is the appropriate measure of
7 monetary damages for patent infringement? If we look to
8 current damages jurisprudence, we see a market failure
9 resulting from a rule set formulated in a bygone era in
10 a marketplace at the time with relatively new economic
11 actors.

12 As a result, the current landscape is skewed
13 toward predatory litigation and has created a lottery-
14 ticket mentality that all but drowns out legitimate
15 market price signals. Now this is because the patent
16 owners are able to obtain damages awarded on components
17 that they did not invent and are not covered by the
18 claims of the patent.

19 This results in a distortion, which is
20 particularly profound in an industries with complex
21 value chains and where products and services can
22 literally be the subject of literally hundreds, if not
23 thousands, of patents.

24 Now, while incentives to obtain patents are
25 strongly reflected in their growing number, the remedial

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1 regimes to compensate patent owners for infringement have
2 not kept pace. The lag has led to a rise in litigation
3 and abuses that are straining the system and calling
4 into question the role of patents in the modern economy.
5 Indeed as I testified to the Senate Judiciary Committee,
6 Professor Josh Lerner's work confirms that financial
7 service firms, in fact, are 27 times more likely to see
8 a patent suit than other industries.

9 As a result, available patent remedies need to
10 be sharpened so that a patent owner's remedy is valued
11 in accordance with the specific contribution of the
12 invention, while preserving full valuation under current
13 remedies for more traditional, patent reliant and mature
14 industries.

15 For example, where an inventive contribution is
16 a new compound, a break-through pharmaceutical for
17 example, valuation would reflect of course that first
18 and foremost the patent owner would cover lost profits,
19 which it could prove, and a reasonable royalty
20 calculated on the price of the full component that it
21 could not prove through lost profits.

22 By contrast where the inventive contribution is
23 one of many components in a complex product or service,
24 an improved memory chip, for example, in a complex
25 processing system, then valuation should be correlated

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1 to the component.

2 Now, a fundamental tenet of economics is that
3 free market most efficiently values goods and services,
4 and I, in fact, had the quote that Jay put up from the
5 *Application of Kirk* case, but the point there is that
6 patent value related to the value of an invention should
7 be determined by the marketplace. Well, what does that
8 mean?

9 It means a lot of different things. Recent
10 decisions have demonstrated that patent awards can
11 grossly exceed market values, and the Microsoft
12 case that Mallun mentioned this morning is an example of
13 that, and there, over half a billion dollars worth of
14 damages were awarded where the court allowed a royalty
15 calculation based upon the entire value of the Windows
16 Operating System, even though the infringing component
17 was much less than that.

18 This is not a market-based calculation. It's
19 rather a symptom of how law and patent damages have
20 moved away from market principles, particularly for
21 goods and services that have complex value chains.

22 Now, calculating reasonable royalty consists of
23 two parts: First, you have to establish the royalty
24 base, that is, the total value of the infringer's sales
25 on which the patent owner is entitled to royalty

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1 payments, and then the second part is establish a
2 royalty rate to apply to that base.

3 This approach is consistent with the overall
4 philosophy of relying on market forces and calculating
5 compensation to the patent owner. This policy is
6 thwarted, however, if the royalty rate base is
7 artificially high or artificially low.

8 Now, modern technology, of course, involves
9 interrelated components that are sold to consumers as
10 part of functional units. Many of these components is
11 subject of patent protection and can be combined in
12 multiple ways to yield new and improved systems and
13 methods. If, however, each individual patent owner has
14 a possibility of obtaining a damage award based
15 upon the price of the entire end product, an incentive
16 to engage in litigation over licensing arises.

17 I'm going to provide an example to illustrate
18 this. Now, suppose a particular product is sold by E,
19 in this case a cell phone comprised of components A, B,
20 C and D. The product itself sells for \$10, and each
21 individual component sells for \$2. If the owners of A
22 through D enter into license arrangements with E each,
23 each receives a 10 percent royalty rate on the price of
24 the component or 20 cents.

25 E is still left with a 12 percent profit. Now

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1 suppose that one of the patent owners, D, decided to
2 bring patent litigation and is successful in arguing the
3 end product is sold as a functional unit, including this
4 patented component. Now, further suppose he is
5 successful in obtaining a royalty rate of half of that,
6 5 percent, but on the total price of the unit, \$10.

7 As a consequence D is receiving 50 cents per
8 unit. All numbers of serious problems arise with this
9 example. First, D is rewarded by choosing to litigate
10 rather than to license. This distortion results in a
11 jackpot litigation mentality that diverts economic
12 activity to less productive purposes.

13 Perhaps even more important is the impact on E.
14 Recall that under a licensing regime, where each patent
15 owner is paid a royalty based upon their specific
16 contribution, E is still left with a 12 percent return
17 on sales price.

18 If D is successful in obtaining a royalty based
19 upon the entire market value, then E's return drops to 9
20 percent. Stated simply, this 25 percent reduction in
21 E's return will have a real impact on E's willingness to
22 sell the product and will no doubt stifle innovation.
23 Now, my example was rather simplistic. Most modern
24 products or services involve hundreds, if not thousands,
25 of patents. This only magnifies the problem.

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1 Second, the uncertainty of the end result
2 chills innovation and prevents proper market pricing of
3 the patent.

4 Finally, the appearance of a new character on
5 the stage, a non-practicing entity, has altered the
6 dynamic. Two important implications arise out of this
7 development. First the NPE, the non-practicing entity,
8 unlike actual manufacturers, has no fixed cost in
9 creating the patented component.

10 Now, commercial suppliers have fixed costs,
11 mitigating some of the risk of pursuing a litigation
12 strategy that may otherwise chill production. Now,
13 again think back to our example. If any one of A,
14 B, C or D brings litigation, seeking a royalty based upon
15 the entire market value of the end product, they run the
16 risk of having E re-deploy its capital to more
17 profitable alternatives.

18 Stated simply, if A, B, C and D actually
19 manufacture the components, as contrasted with the non-
20 practicing entity, they are less likely to engage in an
21 activity that will undermine the production of articles
22 including that component.

23 Now, the NPE model is often attempting to
24 maximize short-term gains. This leads again to the
25 jackpot mentality and further tips the playing field in

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1 favor of litigation. NPEs can, in fact, do better than
2 folks manufacturing the components.

3 A more consistent, uniform approach would be to
4 limit the application of the entire market value rule to
5 situations where the patented component is the entire
6 basis for the demand. This formulation has several
7 critical advantages. First, it would ensure that a
8 leveraging patent beyond its scope is the exception rather
9 than the rule.

10 Second, applying this formulation should
11 reduce uncertainty, and therefore the distortions that
12 occur when the system can be gamed.

13 The Supreme Court recently provided further
14 insight into this theme in the *Quanta* case. While
15 *Quanta* involved the doctrine of patent exhaustion, part
16 of the rationale behind the doctrine is to prevent
17 patent owners from leveraging their patents to secure
18 market control on related but unpatented items. This
19 may be of particular interest to the Commission.

20 In *Quanta*, the Court was forced to consider
21 the extent to which a product must embody a patent to
22 trigger the exhaustion doctrine. Now, as an
23 initial matter, the Court traced its own jurisprudence
24 lamenting the increasing frequency (quote, unquote), with
25 which patent owners were using license terms to secure

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1 market control of related but unpatented items.

2 The Court further noted that the primary purpose
3 of patent law is not the creation of private fortunes
4 but the promotion of progress of science and the useful
5 arts. Consequently, the Court observed that patent
6 rights are limited to the invention described and
7 claimed, and Courts should focus on the inventive
8 aspects of the claims as distinguished from standard
9 components.

10 The teaching of *Quanta* are instructive as to the
11 application of the entire market value rule. Indeed,
12 the logic and rationale of not allowing a patent owner
13 to secure control over non-patented but related items as
14 part of a licensing strategy stands in direct contrast
15 to the current entire market value rule practice of
16 allowing a patent owner to capture a royalty for non-
17 patented but related items that are used in combination
18 with a patented item.

19 As in *Quanta*, damages calculations, royalty
20 calculations, should be rightfully focused on the
21 inventive aspect of the claims and should not be
22 extended to standard, non-patented components
23 absent exceptional circumstances. The premise is only
24 underscored by that Court's admonition that patent laws,
25 again, are designed not to create private fortunes, but

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1 to promote innovation.

2 So to the question I posed in my opening slide:
3 Can Quanta finish what eBay started? I would echo the
4 refrain that was echoed that was so successful in this
5 election season: Yes, we can.

6 MS. MICHEL: Thank you. Now, Judge McKelvie, I
7 believe you'll be talking with us about willfulness.

8 THE HONORABLE MCKELVIE: I thought I would take
9 on what's been happening with *Seagate* during the last
10 year. Remember, it was decided in August of '07.
11 Ashley Miller is responsible for all the correct things
12 in the slide. I'm responsible for all the incorrect
13 things in the slides.

14 I remember a couple years ago when the FTC and
15 The National Academies looked at the issue of willful
16 infringement, they identified a number of problems with
17 willful infringement. It discouraged research. It
18 didn't actually act as a deterrent. It interfered with
19 lawyer/client relationships, and it spawned
20 inefficiencies in litigation.

21 So the FTC suggested that we look to new
22 standards that would give written notice for
23 infringement and punish deliberate copying. The National
24 Academies said abolish the affirmative duty of due care,
25 and bifurcate willfulness proceedings.

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1 The Federal Circuit came down with *Seagate* and
2 knocked out *Underwater Devices*, thank goodness. They
3 adopted a recklessness standard, which for us
4 litigators is good because nobody knows what it means.

5 So Ashley and I looked to see the reported
6 opinions that have come out under *Seagate* in the last
7 year. Those of you who work in litigation know that
8 saying there's 40 opinions out there doesn't say there
9 are 40 decisions because there are a lot of unreported
10 decisions, and there's a lot of looseness in this. I'm
11 not sure I would cite these 40 in a brief to the court,
12 but there are some interesting patterns. I thought I
13 would share them with you and make some recommendations.

14 So in 15 out of the 20 cases where parties
15 sought to eliminate the willfulness issue from
16 litigation early on, the judges denied the motions --
17 denied the motions in the context of a motion for
18 summary judgment or denied the motions in the context
19 of a motion to stay discovery.

20 We put it on this chart because a person might
21 say, Well, that may have happened early on in August
22 of '07, but now judges are more inclined to grant
23 summary judgment. The answer is: This pattern shows
24 the regular bad guys. That's judges who deny motions
25 for summary judgment. The green are the good guys who

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1 grant motions for summary judgment. I think there's an
2 ANDA case in there for green, so that it doesn't
3 necessarily count, but it's showing that judges are not
4 knocking willful infringement out of patent litigation
5 early.

6 There's some good news, some interesting news,
7 assuming that you agree with me that willful
8 infringement is not necessarily the most productive part
9 of litigation. Five post-trial, non-jury decisions by
10 trial judges find no willful infringement. That's five
11 of five, so that says if you can survive your battle
12 over the waiver of the privilege, you survive the jury
13 trial or survive non-jury trial, you get to the judge,
14 the judge will say no willful infringement.

15 In nine cases where a jury found willful
16 infringement, the judge took away the willfulness
17 verdict in four out of the nine. Actually some judges
18 said, Well, I'm going to uphold the willful infringement
19 verdict, but I will not enhance the damages.

20 In the eight other cases, I think it's eight, or
21 nine other cases, the judge said, The jury banged you,
22 I'm going to bang you. I have a paper that I gave to
23 Suzanne, who will put it on the web site, that will show
24 you these 40 cases. And you can look and see what
25 happened, because I know what people are interested in is

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1 the underlying issue, which I'm not going to talk about
2 today, which is what is willful -- what is willful
3 infringement? What's reckless conduct?

4 So I said to Ashley: Are people filing fewer
5 claims of willful infringement now that the recklessness
6 standard is higher? We thought we would take a quick
7 snapshot of the Eastern District of Texas to see if
8 plaintiffs' lawyers are filing fewer claims, and in a
9 quick one-week sample, it shows that there are maybe
10 fewer. It's sort of a very light sample. Incidentally,
11 my partner was in Texas on Tuesday. He got a trial date
12 four years from now in the rocket docket.

13 So what do these changes tell us? Has *Seagate*
14 eliminated our concerns about the problems with willful
15 infringement? The answer is probably not. Has *Seagate*
16 eliminated the need for companies to obtain exculpatory
17 legal opinions? Probably not, especially if you consult
18 former judges who can give you an opinion, discount this
19 week.

20 Has *Seagate* eliminated the
21 the need introduced in legislation, to maybe change
22 the standard for willful infringement to provide for
23 written notice and deliberate copying? Probably not.
24 That is, it's still a little bit unclear. You have to
25 look at the decisions to see what judges think

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1 deliberate or willful infringement is.

2 So what are the solutions? And these are the
3 ones Todd endorsed, so I don't need to go into them too
4 much. I think the things we need to do, I think the
5 Federal Circuit needs to encourage district court judges
6 to grapple with willful infringement early on in a case.
7 Most judges are reluctant to do that perhaps because
8 they have to write an opinion on it.

9 If the Federal Circuit would start telling trial
10 judges to grapple with willful infringement early, it
11 would knock it out and give parties some comfort that
12 they wouldn't incur all of the expense.

13 There's a proposal floating in Congress to put
14 willful infringement at the end of the case. That
15 actually would probably be pretty effective in this
16 situation; that is, if people are still going to plead
17 willful infringement and judges aren't going to deal
18 with it in summary judgment and say, you can't plead
19 willful infringement until there's been a finding of
20 liability and the patent is not invalid, it would come
21 up after the case has been litigated.

22 In those cases you've seen that the judges, with
23 the pattern I showed you, would probably end up saying,
24 unless there's really egregious conduct,
25

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1 that there's no willful infringement. That rolls back to
2 say you probably don't need the opinion, so I'll give an
3 even bigger discount now, if you don't need it.

4 On the issue of willful infringement and judge
5 and jury, there's a lot of case law out there that says,
6 This may be an issue for the judge rather than a jury.
7 That may be another remedy that we can use to somewhat
8 correct it.

9 So I had looked at *Seagate*. I've been watching
10 *Seagate* for a year. I thought maybe with a year it
11 would wash through the system and improve what's
12 happening with willful infringement, and my suggestion
13 to the FTC and to the National Academies is, you look at
14 your advice, it hasn't really worked out with *Seagate*,
15 and that we may need to make some additional changes.

16 MS. MICHEL: Thank you. A very practical
17 presentation. Thank you very much.

18 Why don't we start with willfulness. I was
19 wondering if any of the other panelists had any
20 additional comments about the need to continue thinking
21 about willfulness doctrine following *Seagate*. In
22 particular, we heard in 2002 about the interim effect of
23 willfulness allegations and how that could affect
24 settlement negotiations and licensing negotiations.

25 Do you think that that effect has been lessened

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1 at all by the *Seagate* decision, and in particular the
2 requirement that there be a recklessness to the
3 defendant's actions? Specifically, are there fewer
4 willfulness findings now that would lessen the in terrorem
5 effect.

6 THE HONORABLE MCKELVIE: I think the end point
7 of my statistics show that there were probably fewer
8 willfulness verdicts. I haven't looked at the
9 statistics out of Houston. Probably at the end point
10 we're doing a lot better, but the time and expense and
11 the investment of getting there is still just as great.

12 If you look at the pattern and if you look at
13 the paper, you see what the judges look to for the
14 purpose of finding willful infringement, it's the same
15 old factors the judges relied upon before, which is that
16 you copied. You didn't try to design around, and you
17 lied to me during litigation, and I don't like you.

18 MS. MICHEL: It's always bad when the judge
19 doesn't like you. John?

20 MR. SQUIRES: Yes. As Dan pointed out this
21 morning, if you look at pleadings, willful infringement
22 is still automatic. You're going to see that as
23 something that is put forward, but what I think *Seagate*
24 has done is it's discounted the availability to make
25 good on the threat.

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1 So in a license negotiation, whatever premium
2 there may be, unless there's some good hard facts that
3 they'll reveal so much as to make good on the threat,
4 it's a very much discounted equation now in the
5 bargaining.

6 MS. MICHEL: Any thoughts -- Todd?

7 MR. DICKINSON: Maybe to add a little from my
8 corporate experience.

9 MS. MICHEL: Please.

10 MR. DICKINSON: I think it provided a floor. I
11 think it provided some relief and provided a lot -- you
12 didn't feel like there was this open hole in front of
13 you of uncertainty, and I think that's probably the best
14 effect of it at all.

15 I think with regard to what Judge McKelvie said,
16 I understand what he's saying about lessening the number
17 of opinions. I think we're seeing -- I think some of
18 the data is that we're seeing fewer opinions but only
19 some delta 10 percent, 15 percent or something, so
20 people are still getting them for that extra assurance.

21 They're just feeling a little more secure on
22 relying. There's still some reform that needs to be
23 done I think, but I think maybe people are willing to
24 let that one go and not worry Congress with it so much.

25 MS. MICHEL: Does anyone have any sense of

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1 whether *Seagate* has lessened what for some companies,
2 not all, but the effect of willfulness in putting a
3 damper on the willingness to read patent applications or
4 patents? John, you might be the only one with the
5 experience.

6 MR. SQUIRES: I would echo what Mallun said this
7 morning, not necessarily willfulness as an impediment to
8 reading patent applications, although I think it's
9 expanded. If you're focusing on the reprehensibility of
10 the conduct and the other side has expended what is
11 reasonable behavior of a business to undertake, I
12 think there's less got you on the willfulness side to
13 undertake to do that.

14 There's other problems such as: Are you going
15 to get the entire universe of things you need to see,
16 what's the timeliness of it, and are you going into the
17 markets where you have less experience versus markets
18 which you've been historically in and probably are in
19 the best position to know most of the information?

20 MR. DICKINSON: Let me ask John a question. Do
21 you think that's going to provoke a cultural shift in
22 those industries and companies that traditionally have
23 said to their engineers, Don't look at patents, now
24 may loosen that up a little bit culturally, internally?

25 MR. SQUIRES: It might be a cultural trend. I

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1 think shift is probably too sudden.

2 THE HONORABLE MCKELVIE: But it should. That
3 is, if *Underwater Devices* is gone -- it was *Underwater*
4 *Devices* that caused the problem about looking at
5 patents -- so I think even if you look at the decisions
6 that define reckless conduct, it's not that a party was
7 on notice of the patent. There are other things the
8 judges are looking to, so people should feel much more
9 comfortable about doing research, and candidly they
10 should feel much more comfortable about proceeding
11 without opinions.

12 MR. SQUIRES: That's a good thing overall
13 because it's really a question of due diligence. If
14 later on you're staring right down the barrel of a
15 patent that sat right on the market entry that you were
16 going into, what did you know, and when did you know it,
17 and why didn't you do anything about it? That was a
18 little more difficult question to ask when the
19 information ostensibly is there.

20 MS. MICHEL: Why don't we go ahead and dive into
21 that damages issue.

22 MR. DICKINSON: One more thing --

23 MS. MICHEL: Please do.

24 MR. DICKINSON: -- on the damages piece that
25 flows from that, and I think one interesting issue

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1 that's left open, we'll see the Courts -- some have
2 discussed whether Judge Dyk's dissent, or concurrence I
3 guess, in *Knorr-Bremse* about looking to the Supreme Court
4 and their law of punitive damages, which we just heard I
5 guess yesterday at the Supreme Court again -- whether that
6 will have an impact -- and of what magnitude -- on
7 trebling or not trebling.

8 MS. MICHEL: I have a very specific question
9 actually about the entire market value rule and why so
10 much of the debate has focused on it. In looking at
11 John's very interesting example of damages calculation
12 in which the entire market, the \$10 instead of the \$2
13 was used, I was thinking: Well, isn't part of the
14 problem that the royalty rate there is 5 percent instead
15 of 2 percent, and if it were 2 percent, you would have
16 ended up with 20 cents again?

17 Why has so much of the debate been about the
18 base and not the rate, and should we be thinking more
19 about the rate? Tom, please.

20 PROFESSOR COTTER: With all due respect to some
21 of the esteemed panelists, my own view over the years
22 has been that things like the entire market value rule
23 and apportionment concepts, in an antitrust context,
24 have been largely debunked, particularly leveraging. It
25 would be kind of a shame I think to start applying those

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1 context with more robustness in the patent context.

2 What we should be doing in my opinion is
3 focusing on the economic realities, which is that
4 leveraging can happen, but it tends to be more the
5 exception than the rule, and we should be looking for
6 specific indicia of leveraging or hold-up and not using
7 leveraging and the possibility of leveraging as a
8 guiding principles in formulating damages rules.

9 In the context of reasonable royalties, in
10 particular, again from where I come, what we should be
11 doing is consistent with this but for damages rule that
12 we apply in many other areas of the law, trying to
13 figure out what the patentees' royalty revenue would
14 have been but for the infringement.

15 The hypothetical negotiations would, to some
16 extent, reflect the parties' ex ante estimate of the
17 value of the patented technology. Now, it's difficult
18 to calculate or estimate what that hypothetical bargain
19 would be, so we have to rely on proxies, but my view is
20 we should rely on the proxies that the parties
21 themselves would have relied on.

22 MS. MICHEL: Yes.

23 PROFESSOR COTTER: And so what we probably need
24 to do is start focusing more on an industry by industry
25 basis on how parties to real world, voluntarily

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1 transactions come up with an appropriate royalty base,
2 when do they use the value of the entire product, when
3 do they use some subset, and also what royalty rates do
4 they apply.

5 So maybe the problem is not in applying an
6 entire market value royalty base, but in applying a rate
7 that is too high given the particular field of art.

8 MS. MICHEL: And in thinking about that
9 hypothetical negotiation and what kind of base the
10 parties might have chosen, what kind of factors do you
11 think might influence their choice? Let me throw out a
12 couple suggestions and see if anyone has a reaction.

13 For instance, the practicalities of what's being
14 bought and sold and what can be easily priced, rather
15 than some relationship between the invention and a
16 bigger product. I'm thinking in terms of, if the
17 patent's on a circuit, well, nobody buys and sells a
18 circuit. You buy and sell a chip, and so the chip is
19 something easy to price, and let's make that our base.

20 Tom, do you have any suggestions on what kind of
21 proxies and how to think about that hypothetical
22 negotiation and what it means for the base?

23 PROFESSOR COTTER: Well, I think what we
24 actually need here is more empirical evidence on this
25 issue. This is something I don't personally have a

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1 great deal of knowledge of how -- for example, in various
2 fields within IT -- how firms go about calculating the
3 value of technology when they voluntarily enter these
4 transactions.

5 What I will note is that going back a long time,
6 even back in the days when the U.S. Supreme Court was
7 most infatuated with the patent misuse doctrine, they
8 always took the position that, for the convenience of the
9 parties, you could license a package of patents and
10 calculate a royalty based on some package of patents,
11 even some of which might not be used.

12 So convenience of the parties has always been a
13 factor, even under earlier, now to some extent discarded,
14 models of both antitrust and patent enforcement. So I
15 think what we need to do is focus more on the real world
16 particulars in given industries rather than guessing the
17 way the real world works. Let's find out how parties do
18 this.

19 MS. MICHEL: John?

20 MR. SQUIRES: Thanks. In response to your first
21 question, at play on a royalty base obviously is the law
22 of large numbers. If you think the base for Windows
23 Operating Systems sales is a big number, think about
24 what it would be to set a base upon volume traded
25 through the New York Stock Exchange in a single day.

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1 So that is really a small calibrational factor
2 on the rate as opposed to -- and that was assuming
3 really even sort of the charitable: Well, we're not
4 asking for what you would ask for normally in a context
5 where a component is applied. We're only asking for
6 half of that. Still the law of large numbers gets you
7 into trouble pretty quickly.

8 I also happen to think the inquiry is backwards,
9 and that is: Why should a patentholder get more than
10 they invented? That's the fundamental question. If
11 they can prove, like the example this morning with the
12 improved aerodynamics gas mileage and acceleration based
13 upon a tire design, that's the basis for the consumer
14 demand, more power to you.

15 That should be provable and demonstrable, and I
16 think it goes then to Tom's comment, that dynamic
17 informs the ex ante behavior. To borrow from Todd's
18 analogy, if you have a bottomless floor in front of you
19 going into the negotiation, because they're going to be
20 able to put up numbers of volume traded through the
21 exchange in a single day, you're in a lot of trouble
22 once you're on that footing for the debate.

23 MR. DICKINSON: Yeah, to respond a little bit to
24 John. First of all on the rate question, I've been in
25 traditional industries mostly, where there's a lot of

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1 data. I've been IP counsel at oil companies, chief IP
2 counsel at GE, and other things, and we would normally
3 quote 2 to 6 percent, 2 to 6 percent, 2 to 6 percent.

4 So I think there's a lot of data to back that
5 up. Where we may not have it is in new technologies and
6 also the brand -- that is something that is so focused
7 that they can really command an out-of-ordinary rate.
8 So I would guess 80/90 percent of royalty rates are
9 going to come in roughly the same place.

10 To John's questions a little bit, he's starting
11 to veer off in that rhetorical area that I talked about
12 before, the issue of large numbers. I think it's an
13 issue. To get to that question though, the jury has to
14 have first found that the defendant didn't invent, that the
15 person who did invent what the defendant used did indeed
16 invent something that was patentable, and secondly that
17 the defendant infringed and willfully infringed. The
18 defendant stole from them.

19 So they get to that point. I understand what
20 you're saying, so juries can weigh that kind of thing I
21 think a little bit, whether you're going to destroy the
22 New York Stock Exchange or whether you're not. I mean,
23 I think that's part of the issue.

24 On the other hand, it is a huge number, and
25 those numbers do cause market distortions and can cause

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1 market distortions. In particular can impact
2 emerging technologies and emerging businesses and
3 industries with candor, like John's, which have
4 traditionally not had to deal with these questions and
5 suddenly find themselves having to be in an environment
6 which is fluid, to say the least.

7 MS. MICHEL: You used the word stole, and
8 infringement being a strict liability offense, should
9 that fact play into our approach to remedies policies?

10 MR. DICKINSON: Well, it was a provocative word.
11 That word should probably the concept John might want to
12 address.

13 MR. SQUIRES: Yeah, I was stuck on the word
14 stole myself. Well, again I think what we have to
15 remember is going on here, as between commercial
16 competitors, you are going to fall through the lost
17 profits analysis before you get to entire market value.
18 What you can't prove up but for the infringement, that
19 was your lost profits, you will now be able to recapture
20 no less than reasonable royalties as provided by statute.

21 Again the non-practicing entity goes right to
22 it. There is no lost profits analysis for the most part
23 for them because they're not commercial competitors, so
24 they're unable to do better by showing an infringement,
25 but now your eyes get very big because of a number of

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1 factors -- even if your royalty rate in the industry is
2 2 to 6 percent, when you're talking about a very large base
3 and multiplying or applying the rate by that base.

4 Again you're trying to, in an ex ante manner,
5 negotiate what you could settle the case for versus
6 whether it can go through all the way to the jury and
7 have maybe unlimited liability. It's a very difficult
8 dynamic. And now could you bring me back to the question
9 that you just posed?

10 MS. MICHEL: What was my question?

11 MR. DICKINSON: Let me first retract the word
12 stole.

13 MS. MICHEL: I understand.

14 MR. DICKINSON: I was using it in kind of a
15 provocative manner to try to suggest how the debate has
16 engaged.

17 MS. MICHEL: But it's an interesting issue in
18 that we have inadvertent infringers. That is what some of
19 the literature is now calling them, or you might call them
20 independent inventors, although it's a slightly
21 confusing term. What does that mean for how we ought to
22 approach policy in general when trying to formulate
23 damages rules?

24 MR. DICKINSON: So like willful infringers
25 though that haven't studied the art, I mean?

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1 MS. MICHEL: That's a good point.

2 MR. DICKINSON: There's a spectrum of stuff
3 there.

4 MR. SQUIRES: We haven't talked, but I would tee
5 this up for maybe the next panel with Professor Meurer
6 and say what you're really talking about is there is a
7 notice problem because you have strict liability. In a
8 real property system, for trespass, it's knowable
9 and recordable, and that's the boundary. Where there
10 are fuzzy boundaries and non-existent or imperfect
11 notice regimes, it's a big weight to bring down in a
12 strict liability system.

13 MR. DICKINSON: A large part of the reform, a
14 piece of the reform debate we were talking about in
15 Congress was this question of notice -- when would post-
16 grant review trigger with notice, and when will
17 willfulness trigger notice, and what is the type of the
18 notice. And there's tension in that as well.

19 MS. MICHEL: Tom?

20 PROFESSOR COTTER: On the question of
21 inadvertent infringement, there's a fairly recent draft
22 paper on SSRN by Mark Lemley and Chris Cotropia which
23 seems to indicate that inadvertent infringement is
24 actually more the norm than the exception today, and if
25 that's true, and again I guess that's maybe another

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1 piece of empirical analysis that ought to be further
2 analyzed and investigated, but assuming that that's
3 true, what are the implications for policy?

4 I don't think anybody wants to abandon strict
5 liability for patent infringement as a general
6 principle. I think it would be a bad idea, but so what
7 are the implications? Can we make notice better?
8 That's certainly one of the topics on the table. To the
9 extent inadvertent infringement occurs, it's one of the
10 necessary conditions for patent hold-up, not the only
11 one, but it's one of the conditions that must be
12 present.

13 So there are implications that flow from this,
14 but I'm not sure that that fact by itself necessarily
15 leads to any major changes or reforms to patent law.

16 MR. ADKINSON: I was wondering if the panelists
17 would comment on how difficult it is judges and juries
18 to implement the hypothetical negotiation concept and
19 whether that is a source of concern for defendants and
20 for plaintiffs for that matter?

21 MS. MICHEL: That's definitely an area I think
22 we'll continue to consider.

23 THE HONORABLE MCKELVIE: I'll try. This
24 follows up on Professor Cotter's comment before, which
25 is that a difference I see between lost profits and

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1 reasonable royalty is lost profits tends to be constrained
2 by the facts, and reasonable royalty isn't constrained by
3 the facts, but by the imagination by the expert witness.

4 But on the other hand, I didn't see juries lose
5 too much ground on reasonable royalties in cases I saw.
6 There weren't many cases that I saw where damages was
7 really a big battle of contention between the parties in
8 terms of thinking the jury got it very wrong.

9 MR. DICKINSON: The hypothetical negotiation,
10 interestingly you may want to have witnesses that come
11 forward from Congress and others about their reform
12 efforts because that issue and the concept came up as a
13 possible way to deal with the reform in the damages
14 area.

15 That was controversial. It wasn't adopted, but
16 it was given a pretty good airing, and so you may want
17 to hear from them about how they felt about balancing
18 the question of using hypothetical negotiation --
19 the economic determination
20 of what the patent's value was -- versus, for
21 example, what John was talking about: Shouldn't you only
22 be entitled to what the actual invention is? That
23 requires kind of a technological analysis of what it is
24 and then study that byplay intention too.

25 MS. MICHEL: Thank you.

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1 MR. SQUIRES: I would say part of the
2 hypothetical negotiation is informed by, for example,
3 the case that Mallun referred to, *Lucent*.
4 When you read in the paper that there's a potential jury
5 award of a half billion dollars, based upon an
6 application of the entire market value rule possible out
7 there, it colors your discussions upfront.

8 I want to make one comment to that. People
9 this morning rightly said that those issues are being
10 worked out through the system, but you can't forget
11 that when you lose that verdict, you have to post a bond
12 in that amount, so it's really little comfort that maybe
13 a few years later, I will be able to return on appeal.
14 Large companies can post those bonds. Mid-range
15 companies, smaller companies, that could be the end.

16 MR. DICKINSON: The *Microsoft* verdict was
17 overturned. That's the other side of the story.

18 MS. MICHEL: It was overturned, but on different
19 grounds I thought on appeal. Microsoft had a license.

20 THE HONORABLE MCKELVIE: Actually, unless I
21 missed the statistics, I think the practice has been
22 that the Federal Circuit has been staying injunctions
23 pending appeal, and I understand the bond is a slightly
24 separate issue, but my impression generally is the
25 hammer doesn't come down on defendants until the Federal

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1 Circuit has affirmed.

2 MS. MICHEL: Go ahead.

3 MR. ADKINSON: One other quick question on this,
4 going on something Jay said about the circular nature of
5 determinations of damages by courts and determinations of
6 value in licensing.

7 I want to focus specifically on the extent to
8 which you think that licensing negotiations are
9 sensitive to what damage awards are doing, I guess
10 specifically with respect to settlement negotiations,
11 but also just generally with respect to licensing
12 negotiations.

13 MS. MICHEL: Any thoughts on that?

14 PROFESSOR COTTER: I mean, I think it's best
15 from people who actually do licensing rather than me
16 trying to speculate, but it seems like there ought to be
17 a connection, but what the connection is in the real
18 world, I don't really know.

19 MS. MICHEL: And we will certainly ask our next
20 panel that question also.

21 MR. DICKINSON: Also don't forget, a lot of
22 licensing -- one challenge, and I know that on various
23 contacts in my work, we've tried to capture data from
24 licensees, but so many licenses are obviously
25 confidential business matters that it's very difficult I

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1 think to get a broad range of data on licensing.

2 Licensing Executive Society might be another
3 place we would look, but that's been one of their
4 traditional challenges, because whether it's a
5 settlement or whether its just a regular arms-length
6 negotiation, there aren't a lot of parties that are
7 willing to talk about it for one reason or
8 another.

9 MR. SQUIRES: Yeah. That's why I was puzzling
10 and hesitating a little bit to answer. It's just
11 hard to know because we talked about data this morning.
12 That's an area where industry data and maybe the royalty
13 data is out there, but it needs some crunching, and
14 we're hopeful the Commission report might be able to
15 shed some lights on that, at least those dynamics.

16 MR. DICKINSON: I think the LES probably has the
17 best data.

18 MS. MICHEL: Let's spend a couple minutes on
19 eBay before we wrap if you don't mind. Tom, you made an
20 interesting point that one thing to look at is what
21 factors are good proxy for identifying hold-up when
22 doing the injunction analysis.

23 Do you have any examples of what factors you --
24 of those sorts of factors to give us ideas on what to
25 think about?

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1 PROFESSOR COTTER: I've been trying to think
2 this over for the last several months as I've been
3 working on a couple papers on this issue. It seems to
4 me that we need a definition of patent hold-up, which I
5 think is relatively straightforward. We're talking
6 about a small component in the sense of some patented
7 invention that is a relatively small aspect of the value
8 of some final product.

9 We're talking about a situation where the
10 defendant infringes inadvertently and is thereby caught
11 by surprise, and where the defendant's sunk costs in the
12 end product are such that having to design around ex
13 post would be very expensive in comparison with what it
14 would have cost ex ante to design around.

15 Those are the conditions. Again I mentioned a
16 paper by Denicolo, Geradin, Layne-Farrar, and Padilla,
17 and I think their analysis is fairly persuasive. I
18 mean, those are the factors that they go through, and I
19 think if any of those conditions are not present, then
20 we run some risk of applying *eBay* too broadly and
21 abandoning the property-like entitlement in too many
22 cases.

23 I think when those factors are provable and
24 present, maybe it will be a small number of cases, maybe
25 it will be a moderate number of cases, I don't think it

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1 will be a large number of cases, but wherein those
2 factors are present, I think that would weigh in favor
3 of a liability entitlement as opposed to a property
4 entitlement.

5 There may be other reasons as well, based on the
6 traditional notions of public interest, where an
7 injunction would cause some extreme detriment to the
8 public interest. Again though I think those cases would
9 be relatively rare. I would counsel against applying
10 eBay in such a way that non-manufacturing patentees are
11 never entitled to injunctive relief. I don't think
12 that's what the Supreme Court is mandating, and I don't
13 think that would be good policy.

14 MR. DICKINSON: The public interest issue often
15 takes care of itself I think. It's such a rare and
16 extreme -- Cipro would be an example, where after a day
17 of threatening to withhold, it cratered -- so I think that
18 those are kind of few and far between.

19 MR. SQUIRES: I would echo Professor Cotter's
20 comments and say that if you look back at what happened
21 vis-a-vis the legal rule, all they said was: Well, if
22 you are entitled to an injunction, you have to prove it
23 just like everybody else. There's the four-factor test.
24 You have to prove that the public's not harmed and that
25 monetary damages won't make you whole and the other two

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1 factors.

2 Those had been elided out of the equation
3 previously, and they were assumed, so it puts it back on
4 equal footing I think with the rest of injunctive
5 jurisprudence.

6 PROFESSOR COTTER: Can I just --

7 MS. MICHEL: Please.

8 PROFESSOR COTTER: There is one curious thing
9 about the *eBay* holding that remedy scholars have picked
10 up on and that intellectual property scholars probably
11 would not have picked up on, and that is that there
12 really is no traditional four-factor test. At least
13 there wasn't one prior to *eBay*.

14 What the Court did effectively was take the law
15 of preliminary injunctions and modify it. The cases
16 they cite are actually cases involving preliminary
17 injunctions as opposed to permanent injunctions. Why
18 does this matter?

19 Well, one possibility is that in the law of
20 permanent injunction, at least some of the factors -- such
21 as public interest and balance of hardships
22 -- the burden of proof could have been accorded to
23 the defendant. Now, they are clearly on the plaintiff.

24 Whether that will actually have any practical
25 difference I think remains to be seen, but in one sense

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1 the Supreme Court created a traditional rule for which
2 there actually was no tradition.

3 MR. DICKINSON: One interesting thing is to look
4 at the market impact. It's unclear. The two most
5 significant cases, those provocative and known cases,
6 are *eBay* and *RIM*, and yet once the settlements occurred
7 as a function of the threat of the injunction or the
8 injunction, their share prices rose dramatically or at
9 least a little bit in *eBay* cases.

10 So were they suppressed? It's a little hard to
11 say.

12 MS. MICHEL: All right. Well, I want to thank
13 the panel very much. We'll take a ten-minute break, and
14 start back again at 3:35.

15 (Applause.)

16 (A brief recess was taken.)

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1 PANEL 3: LEGAL DOCTRINES THAT AFFECT THE VALUE AND
2 LICENSING OF PATENTS.

3 MODERATORS:

4 SUZANNE MICHEL, FTC

5 BILL ADKINSON, FTC

6 PANELISTS:

7 JOHN F. DUFFY, Oswald Symister Colclough Research
8 Professor of Law, George Washington University Law
9 School

10 JOSEPH S. MILLER, Associate Professor, Lewis & Clark Law
11 School; Visiting Associate Professor, University of
12 Georgia Law School

13 MICHAEL MEURER, Michaels Faculty Research Scholar,
14 Professor of Law, Boston University School of Law

15 JEFFREY P. KUSHAN, Partner, Sidley & Austin

16 DUANE R. VALZ, VP & Associate General Counsel, Global
17 Patents, Yahoo

18

19 MR. ADKINSON: Thanks very much for staying on
20 for the final panel, which will examine a wide variety
21 of issues, including the changes in legal doctrines that
22 affect the value and licensing of patents that have been
23 brought around by the recent Supreme Court decisions on
24 obviousness, declaratory judgments and exhaustion.

25 The panel will also discuss the role of

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1 unpredictability and notice in the IP marketplace. Of
2 course, that came up at the end of the last panel and
3 extensively during the discussions of the first panel.

4 We have a perfect panel here to address these
5 issues. Professor Michael Meurer is Michael's Faculty
6 Research Scholar and professor of law at Boston
7 University School of Law where he has taught since 1999.
8 He previously taught in the economics department at Duke
9 and then at the law school at the University of Buffalo.
10 He's the author of numerous articles and books examining
11 the patent system, including one published this year
12 which was co-authored with James Bessen entitled "Patent
13 Failure: How Judges, Bureaucrats and Lawyers Put Innovators
At Risk."

15 Then we'll hear from Professor John Duffy who's
16 the Oswald Colclough research professor of law at George
17 Washington University School of Law. He's previously
18 taught at Cardozo, William & Mary and University of
19 Chicago. Professor Duffy previously clerked for Justice
20 Scalia and has published numerous articles on patent law
21 and other topics and is the coauthor of a case book on
22 patent law.

23 Then we'll hear from Professor Joseph Miller,
24 who has been the associate professor at Lewis and Clark
25 Law School since 2002 and is visiting associate

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1 professor of law at Georgia Law School. He previously
2 served as a law clerk to our keynote speaker and worked
3 as an attorney at the Antitrust Division at DOJ. His
4 research examines patent law questions within the
5 larger legal structure that governs competitive market
6 processes.

7 Then we will hear from Duane Valz, who is the
8 vice president and associate general counsel for Global
9 Patents at Yahoo!. In that role, he leads a team of
10 attorneys and engineers responsible for the company's
11 worldwide invention harvesting, patent filings and
12 portfolio management. He also advises on other IP
13 related matters. Previously Duane served as director of
14 intellectual property for Quantum Corporation.

15 Finally you'll hear from Jeff Kushan, who is a
16 partner at Sidley & Austin in Washington. He counsels
17 and represents companies and trade associations on a
18 diverse range of intellectual property matters,
19 including serving as lead counsel in amicus filings by
20 companies and trade associations in significant patent
21 law appeals. In 2003 he was named one of the top 45
22 lawyers in the U.S. under the age of 45 by American
23 Lawyer Magazine.

24 So we're really looking forward to a great
25 lineup, and if Mike will start us off.

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1 PROFESSOR MEURER: Thanks very much. I hope I
2 haven't alienated everybody already, but maybe I will by
3 the end.

4 The title of the book, by the way, was of course
5 written by our editor, so I didn't have the spine I
6 guess to resist. We had a kind of bland title
7 originally.

8 I want to thank John Squires for setting up a
9 couple remarks. The first one is that the name is
10 pronounced Meurer. It rhymes with lawyer, so that's an
11 easier nonionic for you, and I'll get to the second one
12 in a moment.

13 So this book, with the provocative title of
14 Patent Failure, is so named because we argue that the
15 patent system has failed to perform like a system of
16 property, so competition law lawyers in here might have
17 heard that patents are property, just like any other
18 kind of property, but I think John is quite right too
19 point out that patents are property, just like mortgage
20 backed securities are property, that the patent system
21 unfortunately doesn't share all of the features of a
22 system of property rights that might pertain to real
23 property.

24 So economists have produced a lot of evidence
25 that shows that strong property rights encourage

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1 investments, transactions and economic growth, but
2 there's quite a bit of economic evidence that says that
3 the patent system has a mixed record when you use the
4 same kinds of studies to look at the same kinds of
5 indicators of economic success.

6 The best evidence for the patent system is
7 patents as they pertain to pharmaceuticals, but
8 otherwise the conclusion in our book that is supported
9 by a lot of other economic evidence is that the patent
10 law system fails as a property right system, and it
11 actually imposes a tax on most innovators outside of
12 chemicals and pharmaceuticals.

13 John mentioned that we attribute this failure
14 mostly to a failure of notice, so all the lawyers in
15 here are quite familiar with what notice is supposed to
16 do to make a system of real property work effectively.

17 Strangers will take notice of a property line
18 when they're investing in a structure. They don't
19 accidentally build a structure like an office tower
20 across someone else's property line. They either move
21 the location of the structure or they negotiate to
22 purchase the rights they need to situate the structure
23 where they want it.

24 It doesn't work that way in the patent system.
25 We identify in the book much evidence to show that

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1 infringement takes mainly two forms: People who failed
2 to license before investing in new technologies, people
3 who would want to, and other people who spot some
4 patents, try to design around the patents and fail
5 because they can't clearly pin down the scope of the
6 property rights.

7 Besides the Lemley and Cotropia study, there is
8 some evidence in our book of the same sort that says
9 that piracy is rarely proven in litigated cases. We
10 estimate that only in about 4 percent of the cases is
11 the defendant ever shown to be a copyist.

12 We have a substantial body of data that we
13 analyze to understand what causes the hazard of patent
14 litigation for a defendant. The term hazard here means
15 the expected number of lawsuits that will be filed
16 against you in a particular year, and more specifically,
17 we look at publicly traded American firms from 1984 to
18 1999.

19 After controlling for firm size, stock market
20 capitalization, industry, date and other factors, the
21 risk of facing patent infringement increases with R&D
22 intensity. It turns out actually to be a pretty good
23 indicator of the risk that you will face of a patent
24 lawsuit.

25 Ask managers in your firm, how much do we spend

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1 on R&D, that's a very good predictor of the likelihood
2 you will be a defendant in a patent lawsuit. Why?
3 Because high R&D, means that with some luck, you will
4 succeed at innovating. That means you will introduce
5 new products. That means you will be exposed to a
6 patent lawsuit.

7 Take a look across technologies at the
8 performance of the patent system, and I think you get a
9 further hint that there's a serious notice problem at
10 play in the patent system. When we take a look that the
11 probability that any patent could be in a lawsuit, that
12 averages to be about 2 percent per year over this time
13 period that I mentioned before.

14 If we normalize to one, the chances that any
15 patent when it was -- when it is born will end up
16 ultimately being considered by the Federal Circuit on a
17 claim construction issue, normalize that to one, we'll
18 be able, as you move down that column, to do some
19 comparisons.

20 Finally, if you move to the right-hand column
21 and you use a standard technique of economists to
22 measure the value of patents in aggregate, in our
23 research we find that the average patents, which has
24 this 2 percent probability of being in a lawsuit, has a
25 value of \$78,000. This is in 1992 dollars.

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1 Switch to chemicals, and here we're not talking
2 about the chemical industry, but we are talking about
3 patents that are to chemical structures, so this will
4 include much of the pharmaceutical industries activity.
5 We see that the probability of one of those patents in a
6 lawsuit is only 1.1 percent, just about half of the
7 typical patent.

8 We think that is true because much of the patent
9 claiming in this area is structural. When you look at
10 an organic chemical that is sketched out in a
11 two-dimensional picture or verbally expressed according
12 to conventions that are well understood by chemists, you
13 have a clearly defined property right.

14 Skip down to the biotech row, and you see that
15 the probability of a patent lawsuit jumps up to 3.2
16 percent. That might be because of instability in the
17 law in this area. It might be because it's a new
18 technology. I think it is also, to a large extent, due
19 to the difference between biomolecules and traditional
20 small molecules. It's a difference that's explained by
21 the tendency, when you're trying to capture a property
22 right with a polymer, to speak about it in functional
23 terms.

24 That language, functional versus structural, I
25 think is a big part of the problem that we have with the

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1 patent system. The more functional the claiming is, the
2 harder it is for anyone to understand what the property
3 rights are.

4 Move over to the middle column, and you see that
5 claim construction, even though these chemical patents
6 are extremely valuable, they end up getting to the
7 Federal Circuit for claim construction less often than
8 the typical patent. Not true for biotech, not true for
9 software, not true for business method patents.

10 With business method patents, we find an
11 incredible 13.7 percent of those patents will end up
12 being featured in a patent lawsuit. So when you look at
13 software, to go over to the right, you can see software
14 patents tend to be less valuable, chemical patents more
15 valuable, and we think it is because the notice function
16 of the patent system is performing much better for
17 chemicals than it is for software or for other
18 functionally claimed technologies.

19 The notice problem in our research appears to be
20 growing worse across all technologies including
21 chemicals. The harm from notice, as you might expect,
22 falls especially on large capital intensive firms that
23 are most vulnerable as defendants.

24 We conclude in the book that the notice problem,
25 not low quality patent examination, deserves the most

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1 attention from patent reformers, so if you define
2 quality broadly to include fuzzy boundaries and to
3 include other notice problems, then I would say, yes, we
4 have a quality problem, but I don't think it's a
5 question of getting the right prior art before the
6 examiner. I think it's a more fundamental problem of
7 getting the system to look more like a property system.

8 The book goes into detail in examining four
9 dimensions of this notice failure. Number one, fuzzy
10 boundaries, marking the difficulty in claim
11 construction, the work by Judge Kimberly Moore showing
12 us that about 35 percent of District Court
13 claim construction are reversed by the Federal Circuit.

14 Interesting recent evidence, and I wish I could
15 remember the name of the author, someone might shout it
16 out, but there's a recent study that finds the more
17 experience a District Court Judge has with claim
18 construction, the worse they do. In an environment like
19 that, it's really difficult to counsel your clients
20 about how to stay outside of someone else's property
21 right.

22 Hidden boundary information caused by
23 continuation practice is a big problem. More
24 fundamental maybe is that property rights in areas like
25 software are untethered to possession. We really need

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1 to get serious about disclosure requirements when it
2 comes to software patents and generally to kinds of
3 technology that are functionally claimed.

4 Because of the first three problems and because
5 of other considerations, we have an enormous search cost
6 difficulty. You don't have that sort of difficulty
7 when you're searching real property title. It's
8 relatively cheap to find other people's property rights,
9 and we have a good recording system. We have a disaster
10 in terms of the recording system for patent-based
11 property rights, and on top of that, we have so many of
12 these property rights, that the cost of doing a serious
13 search in most areas is prohibitive.

14 The consequences are pretty clear. There's
15 little search or clearance. A survey of IPO members
16 found that a large fraction of them, a majority of them
17 did not do product clearance. We have an insurance
18 market failure. We have the puzzle, that if you're a
19 maker of software you can get insurance against the
20 hazard of being sued in a copyright suit or a trade
21 secret suit but not a patent suit, the same software
22 subject matter.

23 In the insurance market, I know a couple big
24 insurers like Chubb and members of the Lloyd's syndicate
25 have tried to offer patent defendant insurance, and they

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1 haven't been able to successfully underwrite that. The
2 consequences is a lot of inadvertent infringement.

3 So that leads to the conclusion, one of the two
4 big punch lines in the book is displayed in the
5 following two graphs. We use a couple different
6 techniques to calculate the value of patent portfolios,
7 so here is one of our techniques used in the dotted line
8 to display a 92 billions of dollars, the worldwide value
9 of patent portfolios to publicly traded American firms
10 in the chemical and pharmaceutical industries.

11 The solid line down below is the aggregate
12 U.S. litigation costs to alleged infringers. There's a
13 big gap between those two numbers, and as it should be,
14 the profit derived from patents is far above the costs
15 associated with patent litigation, so the patent system
16 is clearly going to provide a subsidy. It has a chance
17 to work as it should as an incentive for investment in
18 innovation.

19 Things look all little bit grim though when we
20 switch to all other industries, so looking at the dotted
21 line, we see the value of patents in all other
22 industries. How did we calculate that? Well, for this
23 particular graph, we calculated that value by looking at
24 the stock market reaction to the portfolio of patents
25 that are held by these publicly traded firms.

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1 We checked that against a second method of
2 calculating value. The second method is to look at the
3 renewal decision, payments of maintenance fees, so
4 you've got the judgment of research managers in one
5 case, the judgment of investors in another case, and
6 they give pretty similar answers to the value of
7 patents. More important than the total number, the
8 total value number though, is that these two different
9 methods of estimation are consistent across
10 technologies, across industries, across time.

11 Likewise, our measures of cost also seem to
12 comport to other measures that are available. This
13 particular measure of cost is again using stock market
14 reactions to the filing of a lawsuit.

15 First observation that's important to understand
16 is that we find that more than half of the cost
17 associated with the filing of a patent lawsuit is things
18 other than payments to attorneys. Payments to attorneys
19 are less than 50 percent of the expected cost of a
20 patent lawsuit. It may even be as little as a tenth of
21 the expected cost of a patent lawsuit.

22 It's the business disruption cost that really
23 matters, and now what happens to this time series right
24 here? Looking from '84 to '94, we see that line move
25 around, but not clearly rise. In '94 -- actually also

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1 in the book we pin the date down to about '92, we see an
2 explosion of patent litigation costs.

3 I would argue with Judge Michel that we also
4 have an explosion of lawsuits, but that's not quite so
5 important. What really matters is this explosion in
6 cost, and you see that the data ends in '99. In the
7 book, we have another bit of evidence that it pulls us
8 out to 2004, and you naturally will probably be asking:
9 Can we update this to 2008?

10 We can try to, so we're starting to work to
11 extend this time series out to 2008, but the data that
12 we have that extends out to 2004 says that if anything,
13 the problem has gotten worse, and when we look at the
14 timing, we attribute it in large part to decisions by
15 the Federal Circuit in the '90s that weakened the notice
16 function of the patent system.

17 So we think that's the first place we need to
18 look to for reform, and perhaps as many people have said
19 today, we're starting to get some of that. So maybe
20 Bilski is a step in the right direction.

21 MS. MICHEL: Thank you. Thank you very much.
22 Next we will have Professor John Duffy.

23 PROFESSOR DUFFY: Well, I am here to talk a
24 little bit about the obviousness doctrine or the
25 non-obviousness doctrine, and I wanted to give -- I

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1 think the program was designed to set forth questions
2 that the Federal Trade Commission should investigate in
3 a supplement to its last report that it did five years
4 ago.

5 The last time the FTC had a report, I testified
6 there too, and there was at least some testimony that
7 criticized the then existing teaching suggestion
8 motivation test, which was at the time the dominant
9 lower court metric for judging patent validity under the
10 obviousness doctrine.

11 Indeed, one of the witnesses from the Patent
12 Office actually said that the problem with the teaching
13 suggestion motivation test was that it required the
14 Patent Office or challenger to connect the dots very,
15 very clearly in order to prove that something was
16 obvious, and therefore unpatentable. My testimony, to
17 some degree, supported that and gave a theoretical
18 framework as to how we should think about obviousness.

19 The Supreme Court has changed the law in the *KSR*
20 decision, and by good fortune and a little bit of luck,
21 I had a little involvement in that case, so today I want
22 to talk about how that case affected the law and where
23 we should go next, and maybe what the FTC can do to be
24 helpful in this process of developing the law.

25 I will say that the FTC was very helpful the

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1 last time. Because I was involved in litigating *KSR*,
2 one of the things that was important in that case was
3 getting the Supreme Court's attention to the issue, and
4 one of the things that was prominently displayed to get
5 the Supreme Court's attention was the FTC report, which
6 I think was very helpful in sort of providing a basis to
7 tell the Supreme Court: This is a very important issue;
8 if this issue is decided incorrectly, which we thought
9 and I thought it was, then the patent system cannot work
10 effectively. You will have a bad system, so this is
11 really the heart and soul of the patent system.

12 So I encourage -- the FTC has done some I think
13 very good work and influential work in its last report,
14 and this new set of hearings or new set of -- this new
15 initiative is I think to push the law forward I think a
16 little bit further.

17 In *KSR* I think the Supreme Court did two
18 fundamental things, which advanced the law and made law
19 better, and one thing, which is a problem, which remains
20 a problem -- the two things which it did, which I think
21 advanced law, is to say that the teaching suggestion
22 motivation test is not the be all and end all of
23 obviousness analysis. It clearly held that that cannot
24 be the sole test of patentability.

25 I think that was important because I think that

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1 there's no way that that test gave us any purchase on
2 the policies that the obviousness doctrine is trying to
3 get at.

4 The second thing that the *KSR* case did is that
5 it reaffirmed in quite clear terms and I think for the
6 first time that the person of ordinary skill in the art,
7 in other words normal innovators, have creativity. We
8 should not assume that they are automatons who can only
9 do exactly what the prior art tells them and no more.
10 Rather, people who have skill in the art can create
11 things and combine things within some sort of range of
12 reasonableness.

13 I think that's important because the very policy
14 of the obviousness doctrine is designed to protect what
15 might be called ordinary innovations. Ordinary
16 innovations are things that people would develop on
17 their own without the inducement of a patent. This goes
18 back to the very language that the Supreme Court used in
19 the *Graham Versus John Deere* case more than 40 years
20 ago. So that is a good policy. We don't want those
21 things patented because we don't need the inducement of
22 a patent in order to call them forward in our economy.

23 The last thing that the *KSR* case did, which many
24 critics of *KSR* have discussed, is that it added
25 uncertainty into the law, and I'm here to tell you that

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1 those critics have a point. *KSR*, as appropriate for the
2 Supreme Court's first attempt to adjudicate this
3 doctrine in more than a quarter century, the Supreme
4 Court did not fix on a single solution for this
5 doctrine, and that is a problem for our law.

6 I think it's something that the FTC, now that
7 the law has been -- that the Circuit Court law has been,
8 in some way destabilized or rejected by the Supreme
9 Court, the FTC can help, and the Bar can help in
10 building a better law, building a better obviousness
11 doctrine, which is central to the patent system.

12 There's many ways to prove that *KSR* did that.
13 *KSR*, if you read it, it talks about: Here's a laundry
14 list of principles that we've said in the past should go
15 into the obviousness analysis, but they don't really
16 come up with any metric or anything that might add
17 additional stability to the law, and I think that that
18 is a serious criticism of *KSR*. I still think it was a
19 helpful decision, but I think that we can move the law
20 forward and produce better law.

21 Now I'm going to tell you what I think should be
22 done, so just Suzanne should take some notes here.

23 MS. MICHEL: I am.

24 PROFESSOR DUFFY: This is what I think really
25 should happen, and it goes back to the *Graham* versus

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1 John Deere decision, and it goes back to something that
2 I think Graham versus John Deere did that was precisely
3 wrong, precisely wrong.

4 In Graham versus John Deere, the Supreme Court,
5 for the first time ever, described what used to be
6 called objective considerations, which are facts about
7 how long it took to develop something, how hard it was
8 to develop something, how long a prior art existed that
9 needed to be combined, how long the need existed that
10 would have called for the innovation if it had been
11 obvious.

12 They took all of that set of circumstances,
13 packaged them together and put them under the label
14 secondary considerations. They had never been called
15 secondary considerations before, and I think that has --
16 and instead as the primary consideration, the Court said
17 it's a legal analysis, which is some sort of legal
18 formulation, which they didn't provide in Graham versus
19 John Deere. They just said figure out whether it's
20 obvious.

21 The lower courts, ever since that time, have
22 been trying to fill in that gap, and even the Supreme
23 Court in some post Graham decisions have been trying to
24 come up with some verbal formulation that would give us
25 a legal test that would help us to decide these issues,

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1 and I think *KSR* shows that that project has been a
2 failure, an utter failure, and that what we need to do
3 is to undue, to some degree, what Graham did on this
4 crucial point, about whether the objective facts should
5 have a secondary consideration, should be just viewed as
6 secondary to some sort of verbal formulation.

7 There's a reason why Graham actually did this I
8 think. In fact, it's quite clear, and I have an article
9 about this, and I have a chapter in a book on it too,
10 that Graham made a mistake, a factual error about one of
11 the cases that it had before it. It didn't read the
12 record correctly so it thought that in a case where they
13 thought for sure this patent was obvious, they thought
14 that the secondary considerations pointed in the other
15 direction. But they had just misread a fact.

16 It's quite clear from the opinion that they had
17 misread a fact, and it's quite clear from all the
18 internal court memos which are now publicly available
19 and that I read through that they did misread a fact in
20 one of the companion cases to Graham. That might
21 explain why they pushed secondary considerations to the
22 back end of the bus, which I think was wrong.

23 I have an article on this, on what I think
24 should happen -- thank you. I have an article on this,
25 a short article. I intend to come out with a longer

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1 piece, but I think that a crucial way to look at this is
2 a timing approach to patentability, to look at the
3 timing of events leading up to the alleged invention,
4 and that that should be the crucial, crucial metric by
5 which we determine patentability.

6 All this goes back to a basic insight which
7 actually relates directly to the word obvious. The word
8 obvious, the etymology of the word obvious means in the
9 street. It's obviam. It's lying in the street, and the
10 answer to how can something lie in the street if it's
11 valued, if it's really a valuable innovation, how can it
12 possibly be obviously, and I think the solution to that
13 paradox is that it has not been lying in the street very
14 long.

15 It's the same thing when you see money lying in
16 the street. When you see a \$20 bill lying in the
17 street, there's a reason why it's there. It's just been
18 dropped. It has not been there for days and days,
19 particularly if you're in Manhattan or some other place
20 like that. There's actually an economics joke I can
21 tell you afterwards that talks about this.

22 That is I think a crucial -- that's the way I
23 would reorient the doctrine, but I do think that the FTC
24 should investigate the so-called secondary
25 considerations, and I almost want to banish that term,

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1 just call them objective considerations. It does lead
2 to a different kind of examination at the Patent Office.

3 A lot of times, patent examiners fight back and
4 forth with the applicant, with legal tests and verbal
5 formulations about: Is there a teaching, is there
6 motivation, is there a synergy, was it obvious to try?
7 What they should do is they should not spend their
8 effort and time on that. They should spend their effort
9 and time on trying to document facts about what led up
10 to this creation.

11 If there's a crucial fact like, Well, the need
12 just arose, it just arose last year, and two or three
13 people are already trying to patent it, that might be
14 strong indication that it's obvious.

15 For example, in a Supreme Court case, the Adams
16 case, which was a companion to Graham, if the record
17 shows that the need -- the need, in that case a need for
18 a better battery had existed for decades and that the
19 components had existed individually for at least a half
20 century and no one had thought to combine them to fill
21 the existing need, no matter what verbal formulation you
22 use, that is incredibly powerful evidence of non
23 obviousness. So I think that that would be a tremendous
24 help, and it would change the way examination actually
25 works.

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1 The last point that I will make, because I told
2 Suzanne I would talk a little bit about this, is on
3 patentable subject matter, which is a completely
4 different topic, but I do think that patentable subject
5 matter issues have introduced a tremendous amount of
6 uncertainty into particular industries, and that is
7 going to lead to large litigation, just like the last
8 presentation suggested, that if you have patentable
9 subject matter issues, which will take down both the
10 good and the bad patents because the patentable subject
11 matter doctrine does not work, does not judge merit, it
12 does things by philosophy or by other indicia, that will
13 create a lot of uncertainty.

14 Perhaps at least a modest proposal is that the
15 agency should do fact finding before it does the
16 patentable subject matter inquiry, at least accepting
17 perhaps the most blatant cases, because if we're going
18 to have to decide very hard questions about patentable
19 subject matter, we should make sure we're looking at
20 patents where it's going to make a difference, where the
21 subject matter is new, useful and nonobvious, and then
22 decide it in that context rather than in the context of
23 a junk patent where people might say, Well, that's
24 clearly -- that's wrong, that's just wrong, that should
25 not be patented.

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1 a notion is the Federal Circuit had approached these DJ,
2 which is the phrase I will know use to mean declaratory
3 judgment -- that the reason why a paid up licensee
4 couldn't bring a DJ action is because only those under a
5 threat of eminent suit, people with a reasonable
6 apprehension of suit, should be able to bring such
7 actions, and of course a paid up licensee is the epitome
8 of a person who has no apprehension of suit. They are a
9 licensee after all. The Supreme Court used a very
10 different framework.

11 I want to talk about three consequences of that
12 conclusion, that in *MedImmune*, a paid up licensee can
13 bring a DJ action, and I'm going to order my
14 consequences from more concrete and actual to more
15 speculative and fanciful, so you know at the end I'll be
16 talking about law professor ideas, right, the most
17 fanciful of all.

18 So first, DJ jurisdiction in the Federal Circuit
19 after *MedImmune*. The paid up licensee question is
20 interesting, but perhaps less interesting than the
21 question of DJ jurisdiction as to punitive infringers
22 who are not yet licensees, who are considering, do I
23 want to take a license or not, maybe instead I want to
24 go to court, clear my path forward by eliminating this
25 patent either on non-infringement grounds or on validity

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1 grounds.

2 Well, the Federal Circuit's embrace of *MedImmune*
3 was both swift and total. That's because *MedImmune* had
4 made it quite clear in footnote 11 of the opinion that
5 the Supreme Court thought this reasonable apprehension
6 of suit test was a complete error, and so the Federal
7 Circuit quickly turned around, I credit them for it,
8 right, swiftly and completely. They said, Okay we're
9 not going to do things that way anymore.

10 As a consequence, right, people can bring DJ
11 actions to challenge validity, to challenge infringement
12 as infringers, much more reasonable in cases like
13 *SanDisk*, cases like *Micron* against *Mosaid*, and there's
14 two important consequences for licensing I think of this
15 very complete embrace of a much easier standard for the
16 DJ jurisdiction.

17 One relates to the marking requirement in patent
18 law. If you're selling a product and you're a patentee,
19 if you want damages to accrue, you have to put the
20 patent number on the product. Of course, if you don't
21 care whether damages accrue, don't bother, but you can't
22 collect damages absent actual notice.

23 So one consequence of *MedImmune*, in a chain of
24 reasoning, is that if you have failed to mark, and you
25 want damages to accrue, you have to provide actual

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1 notice, right? I think I own this patent, I think your
2 practice infringes.

3 Sending that letter, which will get damages to
4 start to accrue, will also give your opponent
5 declaratory judgment jurisdiction under *MedImmune*, so
6 you can no longer start the damages clock and keep your
7 opponent out of the courthouse. They now match. They
8 didn't before. They do now. What that means is failing
9 to mark is more expensive, so maybe people will mark
10 more, who knows, and the patentees who have failed to
11 mark have less leverage in licensings than they did
12 before at the margins.

13 Also, a much bigger circle of potential
14 litigants can now come into court. I mentioned *Micron*
15 against *Mosaid*. This is an instance where the DJ
16 plaintiff received some threat letters. Three years go
17 by because the patentee is litigating against other
18 people in the industry. This person in the industry
19 finally comes into court, and the Federal Circuit says,
20 sure, there's jurisdiction. They were threatening lots
21 of other folks, you were the next logical target, they
22 sent you a letter a few years ago, of course it's okay
23 for you to be here. That's a much bigger circle of
24 litigants that patentees now have to take in mind as
25 they develop their licensing strategy.

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1 Another response to *MedImmune* licensing terms,
2 of course patentees are going to try to get back what
3 they lost in *MedImmune*, which is a more stable regime
4 where they can tell who is going to be suing them and
5 who won't be suing them. The most natural expedient,
6 getting someone to agree in a license that they will not
7 challenge your patent is probably unenforceable.

8 I say probably because the cases still holding
9 date from the early '70s in the wake of *Lear* against
10 *Adkins*, the Supreme Court case overturning licensee
11 estoppel, and we just don't have recent information
12 about that, except in the trademark area. Recently,
13 both the Ninth Circuit and the Second Circuit struck
14 down no challenge clauses in a trademark context, so
15 perhaps it would be equally true in patent law.

16 Now, are there functional substitutes for no
17 challenges clauses? Of course there are. The better
18 they are at functionally approximating no challenge
19 clauses, of course the harder they should be to enforce
20 because no challenge clauses are unenforceable, so we'll
21 see what happens there.

22 Assuming there is no good substitute, of course
23 what this means is that patentees will need to work into
24 the price of their license the risk that their licensee
25 will sue them. Now, on very strong patents that's not

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1 going to change the price of the patent very much
2 because the risk of being sued is low.

3 For weak patents, it's going to increase the
4 licensing rate a lot or it should, right, but of course
5 those are the very patents where licensees say, I don't
6 want to pay a lot more for that, it's weak, I think the
7 consequence is for weak patents, more likely litigation
8 than licensing, okay.

9 Now, the most sort of speculative or strange
10 thing I want to say relates to joint defense agreements.
11 You can think of these as joint attack agreements in the
12 declaratory judgment context. Because we broadened that
13 circle of litigants who can challenge patent rights,
14 there ought to be more people interested in challenging
15 them and maybe even working together to challenge them:
16 A bunch of people in the industry, hey, let's cooperate.

17 The problem, the biggest stumbling block is some
18 case law from again the '60s and '70s saying, Well,
19 problem here, right, you cooperate too vigorously,
20 you're engaged in a group boycott, that's an antitrust
21 violation, okay. Now, that's serious, shouldn't violate
22 the antitrust laws.

23 However, I don't think that's the right way to
24 think about a joint defense agreement because, as has
25 already been pointed out, patents are probabilistic in

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1 nature. Patents are not like selling sugar beets to the
2 sugar refiner. Patents are not like selling milk to the
3 cheese maker. I am mentioning some fact patterns from
4 group boycott cases. That's not what patents are like.

5 What is a joint defense agreement or a joint
6 attack agreement? I think the better way to think of
7 it, and certainly from an antitrust perspective, is it's
8 a research and development joint venture. What are they
9 researching? The status of the patent, right? Is it
10 really valid? Is it really this big? That's
11 information.

12 Research and development joint ventures designed
13 to develop information receive actually quite
14 deferential antitrust review, and they should, right, and
15 I think that's frankly what joint defense agreements
16 are. So that's really far out I can tell by how much
17 eyebrows went like this, right, but I think it's an idea
18 that really needs to be considered, and I need to stop.
19 So thank you.

20 MS. MICHEL: Great. We will go from the
21 fanciful world of law professors, but actually I thought
22 that was a very good idea, to the real hard core world
23 of day-to-day licensing with Duane Valz.

24 MR. VALZ: Thanks, Suzanne. It's been an
25 interesting day, and in many ways I feel like much of my

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1 presentation has already been given, but to that degree,
2 perhaps it just means that I was prescient because I
3 think there are a lot of resident themes with speakers
4 going back to the first panel.

5 So in thinking about appearing on the panel, I
6 was definitely familiar with the FTC's report, and I
7 think consistent with everyone else's remarks, found it
8 to be very comprehensive, hitting a lot of key themes
9 and points, and in looking back at the report before
10 preparing my remarks, I actually have seen that it
11 itself was very prescient.

12 A lot of its recommendations ended up coming to
13 pass, whether through changes at the Patent Office or
14 through some of the judicial decisions that have come
15 down, some of which this panel is charged with talking
16 about it.

17 What also struck me was at that time, the
18 concern was more so about the impact of patent law and
19 policy on competition generally, and in this panel or
20 this initial set of hearings, the focus seems to be more
21 so on the market for licensing within the industry, and
22 so some of my remarks will be looking at what's happened
23 between then and now and what kinds of things we may be
24 learned -- we may be able to learn from that.

25 My first point is perhaps my conclusion really,

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1 that what we can see in the past five or more years is
2 that industries driven by scientific and technological
3 innovation are hindered by patent system flaws more than
4 benefitted by them. I think there was a concern in 2002
5 that there was a cabal of established companies who were
6 benefitting disproportionately from patents and perhaps
7 that was hurting competition in the form of new
8 entrants.

9 Given the amount of focus that's been put by
10 established companies on trying to get reform through
11 and the support that reform has had, we could see that a
12 lot of those dynamics weren't true then and perhaps are
13 more so not true now, and some of the new dynamics
14 perhaps should definitely carry more weight.

15 Many remarkable changes have been made as other
16 speakers have pointed out. It's been mostly judicial.
17 There has been some changes at the US PTO concerning
18 re-exam, the availability of it, ex parte and inter
19 parties rather, and as we all know though, legislative
20 reform is stuck.

21 So it's the general perception that the system
22 as a whole is still out of balance. I may not share a
23 lot of the reasons for that with Professor Meurer, but I
24 think over the course of the day, a lot of the panelists
25 have definitely focused on the fact that the industry

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1 has become more litigation driven than value promoting
2 licensing driven, and I would put a focus on that
3 distinction.

4 I think one of the animating concerns is the
5 role that non-practicing entities plays in the market
6 and whether or not they distort the dynamics of true
7 innovation, and I would argue that when we get to a
8 point, someone mentioned marking, it seems to be quite
9 unjust that if you actually are a firm producing
10 products and services in the market, that if you don't
11 mark, you might compromise damages, but if you are an
12 aggressive, aggregating company or non-practicing
13 entity, you can get a patent from anyone for any price,
14 and you're not subject to the same constraints.

15 That seems to be an anachronistic aspect of the
16 patent law, and in relation to actually pursuing
17 technology transfer where you're exchanging technology
18 of value, people want to do business with you, and
19 patents may either be incidental to that or a key
20 component, it's odd and also anachronistic that perhaps
21 the values being extracted by licensing and litigation
22 entities far outweigh the amount of value that's
23 exchanged on a monetary basis by firms actually doing
24 business with each other.

25 So to those points, I think damages reform and

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1 venue reform are still two key elements of patent reform
2 that haven't been addressed by judicial cases and still
3 remain ahead of us. I'll talk a little bit about that
4 later, and generally talk about some points that might
5 help to get to a better calibration system.

6 So in looking back, we can look at the concerns
7 over patents and the perceptions versus the realities,
8 so in the early part of the decade, there was a general
9 concern that patents had become too strong, and there
10 were some reasonable points there, and that patent
11 owners wielded too much power.

12 And at the time, while dynamics sort of were of
13 a general cross industry nature, the focus was often on
14 growth industries such as software and the Internet, and
15 I think this is when you really saw an expansion in the
16 number of software and other Internet related patents
17 being issued, and some of the more trivial examples were
18 getting headlines, and people perceived that that
19 characterized the whole industry, and there was also a
20 concern then that new entrants would be deterred by
21 patent thickets and innovation would thereby be impeded.

22 I think particularly in the high tech space and
23 I think more particularly in the software and Internet
24 space, you've seen different realities actually emerge.
25 Open technology development has thrived. It's a driving

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1 force of innovation. Start ups have not gone away.
2 There's still certain lower barriers to entry and
3 success in the space.

4 As Mallun mentioned earlier, those small
5 entities that are actually producing great technology
6 along side IP will get noticed and will do really well
7 in the industry, and innovation really in all forms has
8 thrived.

9 I think rather than consolidate excessive power
10 through patent related exercises, successful new economy
11 companies have become beleaguered by defensive
12 litigations brought by NPEs, and these new participants
13 have fueled a secondary market for patents which has
14 really intensified this whole idea of licensing without
15 true technology transfer which helps to support
16 innovation.

17 Looking at the impact of judicial reform, I
18 won't get too deep into the cases, certainly most of
19 these cases have had the impact of tempering patent
20 power. All of them have had the effect of curbing the
21 power of independent patents as well as patentholders,
22 but have they really impacted market competition and
23 value promoting activities initially surmised? I would
24 argue slightly but perhaps not, and if we look at
25 licensing, which is one of the focuses of the panel,

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1 that becomes clear.

2 Obviousness, as Professor Duffy pointed out, the
3 *KSR* really had some benefits. It's made obviousness
4 easier to prove in litigation, but that's where you
5 really have experts a lot of time, and focus who can get
6 to what was going on at the time, can ferret up some of
7 the objective considerations and really get to the heart
8 of the matter.

9 When you're trying to get patents at the Patent
10 Office, one of the virtues of TSM was that it was an
11 objective set of criteria. You had to actually do the
12 research and do the work and find references, and while
13 that may be overly tight, the opposite of what we have
14 now is more room for subjective judgments to creep in
15 about what a person having ordinary skill in the art may
16 or may not have been able to put together at a time that
17 another reference existed, and that leads to
18 inconsistency.

19 In examination practices in terms of licensing,
20 this doesn't really come to bear that greatly because
21 that determination of subjective factors requires so
22 much research and time, especially in multi-patent
23 licensing deals, I don't really believe that any of us
24 in the industry really pay a lot of attention to *KSR*
25 when we're evaluating. We're still going to do the

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1 rough and ready thing and look at the actual references,
2 so the impact of this case has been let's say marginal
3 on licensing.

4 In terms of willfulness and declaratory relief,
5 *Seagate* did bring welcome improvements, and perhaps it
6 has promoted a little more investigation of patented
7 technology for product clearance and possible
8 licensing, removing some of the research hazards
9 associated with looking at patents. However, combined
10 with *MedImmune* and *SanDisk* and its progeny, which makes
11 is very easy to trigger litigation, if you are on the
12 other side of a patent discussion, it's really caused
13 litigants to rush to the courthouse.

14 So there's no prospect, there's a lower prospect
15 for treble damages from pre-litigation discussions and a
16 higher risk of being hauled into a forum that you didn't
17 choose, so NPEs particularly go straight to court
18 without prior notice.

19 I can tell you, we have about 24 active
20 defensive litigations growing from about nine just a
21 year and a half ago. About 19 of those are in the
22 Eastern District of Texas, and it kind of flips Detkin's
23 and a few other folks stats on its head. It's the same
24 thing with Mallun Yen. We have a 80/20 split, but it's
25 in the wrong direction, and this is some of the

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1 consequences. Unfortunately, I think *Seagate* is a great
2 decision, but combined with some others, it's had those
3 kinds of effects.

4 So more and better calibration is required. I
5 think NPE litigation does suppress value-added licensing
6 activity and drains resources from marketplaces.

7 There is a whole discussion about transparency,
8 and I think one of the things that companies actually
9 doing tech transfer and value added licensing suffer
10 from is the fact that it's done confidentially. A lot
11 of these entities becoming more bold and non-practicing
12 entities can talk about their facts and figures and how
13 much they're doing and how much they're helping small
14 inventors.

15 As Mallun had volunteered, I think I would be
16 happy to help with creating more marketplace
17 transparency, whether it's on settlements, on licensing
18 their programs like peer to patent. We need to
19 demystify a lot of the ambiguities that survive around
20 patents, and I don't believe that it's just a matter of
21 a reserving patents only for compositions of matter as
22 maybe Professor Meurer suggested.

23 Defining patent boundaries is difficult when
24 you're dealing with intangibles technologies, but
25 Silicon Valley thrives on solving difficult problems and

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1 I think we can here too.

2 My last point: *In Re Bilski* does preserve a
3 legitimate role for software and business method
4 patents, but certainly the machines test and
5 transformation test of the Federal Circuit leaves a lot
6 of uncertainties about what the contours of those tests
7 are.

8 Unfortunately we're going to have a lot of small
9 skirmishes around that, and it hasn't created a lot of
10 certainty. I think a lot of folks, if you ask them, can
11 say, okay, maybe we can live with slightly narrower
12 rights, but just tell us what we need to do, especially
13 when we go to the Patent Office. It's getting ugly
14 there after *Bilski* in terms of what's expected and the
15 uncertainty around that.

16 I would also -- the FTC does have an
17 international component, and I would like to offer that
18 it would be great to have some notion of safe harbor
19 claiming. If you do these things, you can meet Section
20 101 requirements. It shouldn't be that difficult, and
21 that if we can have that internationally where we can
22 harmonize around Section 101 and harmonize inventive
23 step with non-obviousness internationally, that will
24 promote U.S. industry and help us all have a better
25 functioning patent system, not just here, but globally.

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1 couple of these cases so far, but so John's ahead
2 of me in the standings. The question of DJ standing,
3 that is obviously -- as we predicted in the case, it's
4 going to have an impact on how parties write their
5 contracts and how they have license terms, and I think
6 one of the questions that comes to mind is the asymmetry
7 of the standard. When you're the patent owner, you
8 can't sue, and when you're the defendant, you can. That
9 really does have a big impact on how you behave.

10 Some of the questions that creep into licensing
11 decisions now, if you do something, can I terminate
12 your license or if you bring suit, can I terminate your
13 license and really put you at the equivalent risk to me
14 facing a DJ action?

15 Patent exhaustion is kind of -- that decision in
16 the supply chain kind of context doesn't really fit
17 perfectly into the biotech or life sciences sector.
18 There's some overlap, but I think that's going to have a
19 fairly limited.

20 Obviousness is a big issue, and I really
21 did like the idea that John had of taking the sort of
22 secondary out of this equation because that tends to be
23 the most powerful insight into why something isn't
24 obvious or why it might have been. I like the analogies
25 he brought. I think in terms of what we're seeing,

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1 we're seeing a lot more of a play on the question of
2 predictability in our area.

3 At the heart of the *KSR* decision was everything
4 was out there, and you put them together, you knew what
5 was going to happen, and that is pretty much the
6 antithesis of the work we do in the biotech sector.
7 It's really, wow, this happened, and that kind of
8 perspective of unpredictable outcomes based on what you
9 know is really an important variable, and it's good
10 that it was used to elaborate some of the principles in
11 the decision.

12 The other thing that came out of *KSR* which we
13 see a lot now is kind of, where is the art telling you
14 to go rather than where are you with your patent or you
15 with your invention, and that kind of teaching away
16 concept, which historically has been a really narrow
17 doctrine in the patent law I think now has been loosened
18 a little bit to say, you really are taking into
19 consideration where people -- that isn't written down in
20 the publication, where is that leading you and if it is
21 leading you away from where the invention requires, then
22 hopefully you're going to be nonobvious.

23 The kind of broader question that is stimulating
24 this panel and discussion is: What do you do to make
25 the patent law more certain and how can you do that to

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1 facilitate better licensing conditions? Here, kind of
2 the notice functions, these variables that you've been
3 talking about, are peanuts compared to the thing that
4 dominates the life sciences area and predictability, and
5 in our world, in terms of the predictability of what the
6 patent is going to do for us, the 98 percent of the
7 question mark that we can't answer is something called
8 inequitable conduct.

9 In the first iteration of the FTC proceeding,
10 this was one of the topics that did get some discussion
11 but we have not seen a case, we have not seen
12 legislative action, we have not seen the kind of
13 remedial activity in our area on that doctrine happen,
14 and that's an issue that I want to flag.

15 Now, we talked about the question of
16 obviousness. Well, at least you have a framework to
17 assess it. You look at a question of infringement. You
18 look at the product, you look at your patent claims, you
19 at least have a metric for figuring out and guessing
20 where things might come out.

21 If I'm asked to advice a company on
22 infringement, I can do that relatively cleanly. I put
23 my asterisks where they need to be, but you know kind of
24 the foundation of your opinion. If I have to go to the
25 question of: Is this case enabled or described? Again

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1 I have a framework. I can look at facts, and I can say,
2 yeah, this is what I see and it's probably going to come
3 out this way.

4 Inequitable conduct is the mother of all, I
5 don't know questions, because it's entirely subjective.
6 It depends on what your witnesses say in their
7 depositions in the litigation. It is entirely dependent
8 upon how the story gets told in front of the court, and
9 at the end of the day, you won't know until it's over.

10 So in terms of a thing that you look at as a
11 predictability factor, that's the worse possible metric
12 you can think of for telling someone what the patent is
13 going to do for you or do to you, and that's the heart
14 of your decision in the licensing context.

15 If you look at the cases that have come out in
16 the last decade, we have kind of a simple subscription
17 of the idea that the standard is relatively easy to
18 articulate: Did the patent applicant, with the intent
19 to deceive, misrepresent or withhold information to the
20 Patent Office that was material, and so that's a very
21 nice simple topic.

22 So what does that mean? Well, material
23 information. That could be, as we can tell from the
24 recent cases, anything, so we've had cases where
25 material information is failing to tell the Patent

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1 Office that you are not entitled to get small entity
2 status because you licensed your patent to a company
3 that had more than 500 employees, okay. That's pretty
4 much the heart of the patentability question. That's at
5 the root of the Patent Office's job.

6 The next thing, so I have a 7,000 pages of
7 experimental results that I conducted in the course of
8 making my invention. I have 6,9999 data points
9 supporting what I told you, and I have one that doesn't,
10 so is it good for the system to send 7,000 pages of
11 experimental data to the patent examiner, who is not
12 going to look at it, to make sure that you're absolutely
13 pure in your presentation to the Patent Office of your
14 belief that scientifically it is true that the condition
15 that made my invention meritorious is true? But that's
16 what we fight about.

17 The best one I love, which is so I filed ten
18 applications because the Patent Office made me file that
19 because I got a restriction requirement that was 7,000
20 page restriction requirement and because I didn't tell
21 the patent examiner who is handling the case that I'm
22 going to litigate about the other 7 or 10 patent
23 applications that he's also examining concurrently, I
24 now have a risk factor of inequitable conduct.

25 I didn't have that written down in the record

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1 that I had communicated to him that he's actually
2 working on the other cases that he made me divide from
3 the case I'm working on, and these are the things that
4 make up material information of the cases of the past
5 decade. It's the most absurd metric, which basically
6 comes out from the way the cases are litigated, and here
7 there used to be a requirement in the law that said you
8 had to have two variables. You had to prove that
9 information was material, and you had to prove that you
10 had intent to deceive the Patent Office.

11 So what every case now kind of develops early on
12 into, Well, we're going to go with the super material
13 information because the cases say that if it's highly
14 material, if it's really really material, then I can
15 kind of step over and make that speed bump of an intent
16 to deceive almost zero, and that is essentially the way
17 the dynamic of the cases go now.

18 You start a case and you spend inordinate
19 amounts of time, excessive production, commence
20 fighting, tons of prep of your witnesses, all around the
21 question of preventing a story developing from the
22 litigation itself that you committed inequitable conduct
23 before the Patent Office, which then carries with it the
24 penalty for you and the lottery like win for the
25 defendant that the case -- the patent, regardless of its

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1 merits, is going to be held unenforceable.

2 So we have this wonderful doctrine which is
3 entirely subjective which makes it impossible for us to
4 tell people whether their patents are going to survive
5 litigation, which cover products that are worth billions
6 of dollars, and this is the heart of the litigation
7 world that we live in in the life sciences sector.

8 So when we talk about, well, did you give
9 adequate notice about whether you're infringing or not?
10 I would love to have something that I could take and
11 make an objective metric for testing, whether I'm
12 infringing, whether -- in this world of inequitable
13 conduct, it's remarkable that we can actually put them
14 in the same footing as many of the debates we're having.
15 Sorry, I'm kind of running away with this topic.

16 So the one question that I will go back to is
17 the notice requirement, and I think one thing we see in
18 the life sciences sector is it's not been a
19 traditionally difficult thing to know if you infringe a
20 patent on a chemical compound or biotech product.

21 I think in the biotech area, we have seen that
22 the use of functional language in the claims is the
23 necessary thing to have. You have to have that
24 flexibility because there's just too many variables in
25 the structure of a molecule of that size that you can

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1 kind of change the molecule that preserves essentially
2 what the original molecule did, and you need to have
3 some latitude to capture equivalent molecules through
4 functional language.

5 I don't think there's any major impediment about
6 translating and interpreting functional language in
7 litigation or outside the contours of the litigation in
8 our area because essentially you go back to the
9 specification. You see what structures do support that
10 function, and I think in terms of notice, when we're
11 looking at a patent, either offensively or defensively,
12 obviously the claims tell us one thing, but we look
13 through the claims and we see what is actually supported
14 by the specification.

15 We have relatively decent law now on written
16 description on enablement that we can draw upon to
17 determine whether the claim that we might see asserted
18 against us is going to be supported, and you can kind of
19 peer through that and see whether there's actually a
20 risk. If you use the thing that is covered by the claim
21 but it's not found in the spec, then you know where you
22 stand on a liability risk, and I think that while it
23 does require paying patent lawyers, which glad to hear
24 that we're not the problem of cost.

25 So I want that record clear.

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1 MS. MICHEL: Raise your right hand.

2 MR. KUSHAN: With the modest amount of effort
3 and cost, you can look at a patent and know where you
4 stand regarding it, if you're in the biotech or in the
5 life sciences area. So I will kind of stop with that,
6 and I look forward to the discussion.

7 MS. MICHEL: Thank you. I think a very
8 different perspective than what we heard from Duane.

9 Jeff, just do you have any suggestions what to
10 do about this terrible problem that you
11 have?

12 MR. KUSHAN: Well, the inequitable conduct
13 sanction is pretty much the only one I can imagine where
14 if you do anything bad, you lose your house, and
15 illogically what you're talking about is doing something
16 bad in front of a federal agency, and it seems to me
17 that the logical remedy for inequitable conduct is a
18 penalty on the party who did the bad thing to the Patent
19 Office, and it seems like that's been completely
20 detached from the standard.

21 It seems also that in any other federal setting
22 where you have been accused of doing something of this
23 nature, the notion is that you get a fine or there's
24 some kind of a penalty but you're not losing your
25 property interest, which in most of our world has a

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1 value far in excess of anything which you would call a
2 reasonable fine.

3 MS. MICHEL: And if you want to speak, if you
4 would turn your table tent up. You don't have to or you
5 can just -- that would be great. John, you look like
6 you want to say something.

7 PROFESSOR DUFFY: Yes. I've looked at this -- is
8 the heart inequitable conduct issue, and I have pretty
9 strong feelings on it that are similar and maybe even
10 more radical than Jeff's which is that the inequitable
11 conduct doctrine is really out of step I think with
12 administrative law because normally the rule that is
13 applied to other administrative agencies is that the
14 Agency itself is in charge of its own procedures, and it
15 gets to determine what things have to be disclosed to
16 it, and whether and to what extent it will punish people
17 who do not disclose things to it.

18 There was a case within the last ten years at
19 the Supreme Court where somebody perjured himself before
20 the National Labor Relations Board, but nonetheless, it
21 was always -- it's always the case of an unnecessary
22 perjury, right, because once you find the truth, if the
23 person is not entitled to a patent or relief, then of
24 course they don't get it.

25 But in this case it was unnecessary perjury.

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1 For whatever reason the employee perjured himself but
2 still deserved relief under the true facts, and the NLRB
3 gave him the relief, and it went all the way up to the
4 Supreme Court because the NLRB has to seek court
5 approval to enforce it, seek court enforcement, and the
6 Supreme Court unanimously enforced the order, and said
7 it's up to the Agency to punish misconduct before it.

8 I can go into more details about other
9 administrative law principles, but to give you just a
10 sense of how out of step the inequitable conduct
11 doctrine is with administrative law is a very recent
12 case in which, I guess it's about three years old now,
13 the Federal Circuit was presented with new rules that
14 the PTO had passed saying, This is what materiality
15 means to us, this is all the information we want
16 disclosed.

17 And the Federal Circuit said, Well, that's one
18 standard but we've got some others, and you have to meet
19 them all, and they listed literally five standards of
20 materiality and said you have to meet them all, but
21 we're not overturning the PTO's materiality standard.
22 You just have to meet other ones too.

23 Well, that of course is ridiculous. If you have
24 to disclose -- if you have to meet five standards of
25 materiality and if the PTO is one of the more modest

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1 ones, well, you still have to meet all the others. That
2 actually I think violates a very basic case in
3 administrative law called Vermont Yankee which says
4 agencies actually get to determine their own procedural
5 rules.

6 So I think that this area of the law, that you
7 can't find very many inequitable conducts cases prior to
8 1970. You can find one Supreme Court case that says if
9 you violate the minimal ethical standards, and in a case
10 where actually the misconduct weaves over into a
11 judicial proceeding, that will lead to unenforceability,
12 but prior to 19 -- certainly prior to 1940, there was
13 never a case in which the courts held unenforceable
14 patent, and indeed they had rules about this, and they
15 said, you have to get the government to care about
16 whatever misconduct occurred.

17 So we lived for a long time without this rule.
18 It's inconsistent with administrative law. It leads to
19 vast uncertainty, and it punishes the patentholder and
20 the inventor and the company when what we're really
21 talking about, if it has occurred, it's attorney
22 misconduct, so it doesn't even punish -- you said you
23 lose your house. You lose somebody -- I lose my house
24 because something else -- somebody else did it who maybe
25 should be disbarred or something else if it's really

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1 terrible.

2 MR. KUSHAN: I lose my factory.

3 PROFESSOR DUFFY: Yeah, you lose your factory,
4 and it's because your lawyer was unethical, though most
5 of these cases, if you actually look through them, don't
6 involve any misrepresentations. They involve lack of
7 disclosure, and when it's not even clear the agency
8 wanted that information.

9 That's something you, as an administrative
10 agency outside the system, should probably understand,
11 and you might be able to give a different perspective
12 on.

13 MS. MICHEL: Joe?

14 PROFESSOR MILLER: Yeah. Especially sitting
15 where I am right now, I'm not about to defend
16 inequitable conduct as it currently exists because I'll
17 get battered with water bottles, but it seems to me in
18 any realistic sense that in order to eliminate that
19 doctrine, which apart from all the bad it may do, does
20 have the benefit of incenting both the lawyers and their
21 clients to fly right when they're at the Patent Office,
22 right.

23 You guys aren't mentioning the misconduct
24 deterred, which is a good thing, right, so we need to
25 find some other way to deter that misconduct, and there

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1 could be lots of ways to do it, an inspector general's
2 office at the PTO that randomly selects prosecution
3 histories to go through with a fine tooth comb. There
4 are all kinds of mechanisms that can be used, so I'm
5 not arguing for the current rule.

6 What I'm arguing for is some way to grapple with
7 the fact that in an ex parte system where you get
8 national rights of exclusion that can be highly
9 valuable, you can expect bad behavior if no one is
10 watching so you have to watch some way.

11 MS. MICHEL: Duane?

12 MR. VALZ: Yeah. I'm just going to say that
13 inequitable conduct, the state of it, of the law now is
14 much like willfulness used to be, where you really have
15 some tails wagging the dog. You might have a basic
16 legal principle, and the derivative legal principles
17 that come from it have these absurd consequences, and
18 willfulness was about an entire litigation defense,
19 perhaps having to give up privilege because of all of
20 the contortions you have to do around the due care
21 standard.

22 And here certainly you need something to
23 disincent misconduct, but the events that can have that
24 happen have become so absurd that the doctrine really
25 just needs to be reformed.

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1 MS. MICHEL: Mike?

2 PROFESSOR MEURER: A quick follow up on what
3 Duane just said. It's a bit ironic I guess that those
4 people that read a lot of patents have a lot to disclose
5 and some are more at risk for the inequitable conduct,
6 so it doesn't seem like a good situation.

7 MS. MICHEL: Interesting. All right. I was
8 wondering if anyone had any reactions to John's
9 suggestion on secondary considerations and obviousness.
10 Joe?

11 PROFESSOR MILLER: John and I have talked about
12 this many times, so he knows that what I'm about to do
13 is grab a pom-pom and go yeah. The objective of it,
14 here is what's so important about it. In addition to
15 the quite cogent conceptual presentation is that we've
16 actually had really good experience with this approach
17 before in the sense that a great deal of Learned Hand's
18 approach to the non-obviousness inquiry, although at
19 that point in time it was called the invention inquiry,
20 utilized these objective evidence points to really
21 conduct very compelling inquiries about why the
22 invention happened when it did, what were the
23 circumstances in the art.

24 And as he said, there is no better way to know
25 what average artisans would do than to look at what they

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1 have done. That's the basic insight, and so we've got
2 lots of case law to draw on, so we can explore this new
3 way of thinking about things in a sense that isn't new.
4 We have one of the greatest jurists of the 20th Century
5 who actually marked out a lot of very important ideas
6 here so let's draw on that experience.

7 MS. MICHEL: All right. Jeff?

8 MR. KUSHAN: To join the fan club, I think it is
9 particularly now, after we've had *KSR* and we're kind of
10 in this period where we're seeing the nuances kind of
11 start to get developed in the Federal Circuit jurisprudence.
12 I think it is a very good thing to think through,
13 whether these ideas can be developed and hold out a little
14 bit.

15 I think it is the case that when you have a
16 story to tell it usually falls into one of those
17 secondary consideration baskets. I think you have to
18 also step back and look at the poor Patent Office, and
19 also keep in mind that at the time that they're looking
20 at your patent application, it's usually before your
21 story is over, whether it's commercial success or
22 whether it actually has stepped in and filled the need
23 of the market.

24 So whether the standards or concepts that get
25 developed map well into the Patent Office phase of the

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1 evaluation of the invention is one question, but
2 fundamentally at least for the jurisprudential effect,
3 it should be not discriminated against and put into a
4 kind of box that you only get to if you've gone pass
5 your from prima facie fight.

6 There's a structure to obviousness inquiries
7 that pushes the question to the back of the bus, and
8 that notion of not having it part of the integrated
9 thought about whether the invention is obvious is a
10 really good idea to capture.

11 MS. MICHEL: We heard this morning also about
12 the notice problem that Professor Meurer talked about.
13 Do any of you have comments on the source of that
14 problem and also how can it be addressed? We didn't
15 talk about that. Duane?

16 MR. VALZ: Well, I think the notice problem in
17 the way that Professor Meurer talks about it really
18 comes down to the fact that patents are linguistic
19 entities as well as technical entities, and you're
20 always going to have difficulties in mapping language to
21 technology that escapes the naked eye. You can't pull
22 out gears and pullies, and that's just a feature of it,
23 and that's why we have things like novelty and
24 non-obviousness inquiries, and we have a literary record
25 around what's been done and how it's been done in the

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1 past.

2 And I think necessarily it's a dialogue with
3 prior art in terms of defining your property boundaries,
4 and the fact that it's always a difficult exercise and
5 maybe a little more so in the era of nanotechnology and
6 functionality that happens on minute scales shouldn't be
7 some kind of disqualifying condition. That's just part
8 of the art of practicing the law, and I think it can be
9 done well.

10 I think some of the issues in the software and
11 Internet spaces that's happened have to do with the fact
12 that there's a dearth of prior art because it hadn't
13 been allowed so long, and I think a fair comparison
14 would be not just a contemporaneous between industries,
15 but if you look at the relative age of an industry and
16 you go backwards in time to see when the chemical
17 industry and the biotech industries were really coming
18 up to see how chaotic and maybe unsteady some of the
19 issues were.

20 I don't believe that some of these issues of
21 linguistics should be really made more problematic than
22 they need to be.

23 MS. MICHEL: Mike?

24 PROFESSOR MEURER: Three comments I guess. I'll
25 try to control myself.

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1 MS. MICHEL: Don't.

2 PROFESSOR MEURER: Well, I'll come back if
3 there's more time, but one of the things that Duane just
4 said, in the book we talk about software patents in
5 particular, and we address the question: Is this a
6 transitional problem? Is the PTO getting better? Are
7 the courts getting better over time? The answer seem to
8 be, no, they're getting worse.

9 If you look at a software patent born in the
10 year 2000 and ask: What are odds that it will show up
11 in a patent lawsuit by the year 2004, that number is
12 greater then if you took a software patent born the year
13 1990, and that's actually steadily true over each age
14 cohort.

15 So that it seems as if our performance with
16 software patents has deteriorated over time, even though
17 we're accumulating prior art and we're accumulating
18 value.

19 MR. VALZ: Maybe that's a bad measure.
20 Litigation follows money. Maybe if you look at the
21 software and Internet industries since 2000 and you look
22 at comparative industries and when litigation spikes,
23 that's a better correlation.

24 PROFESSOR MEURER: In the larger study, we
25 actually do control for all those things. That

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1 particular study, though I confess we did not, but the
2 study as a whole about the hazard as I told you was
3 increasing across all industries, and that was carefully
4 controlling for measures of value.

5 Two other points. I like the comment Jeff made
6 about biotech and notice, and I would second his
7 emphasis on 112. If we've got good, strong written
8 description and good, strong enablement, then maybe
9 functional claiming is less of a problem.

10 Something implicit in what Jeff was saying is
11 that there's a trade-off between good notice and scope
12 in some cases, and so a sensible ground for attack of my
13 argument is that we will sacrifice too much in scope in
14 the quest of good notice.

15 I think that there are many opportunities to
16 avoid that trade-off completely, to increase clarity, to
17 increase notice without sacrificing scope. Not quite on
18 point, but I'm accumulating data right now to almost
19 answer Jeff's question, not looking at biotech, but
20 looking at pharma, and I think I am finding that within
21 pharma, relatively functionally claimed inventions, for
22 example, the formulations of drugs, are litigated much
23 more often than patents on active ingredients.

24 I see a disparity in those two categories.
25 There's actually four categories that I've taken a look

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1 at, between the more structurally claimed pharma patents
2 and the more functionally claimed pharma patents, finding
3 that latter to be more problematic.

4 Back to Suzanne's original question: So besides
5 pushing for stronger 112 in areas outside of biotech and
6 pharma, an easy thing for us to do, another easy thing
7 for us to do is to take the definiteness requirement
8 seriously, and 'solidly ambiguous' is a disaster.

9 The PTO, those poor examiners have little time
10 to do much of anything, but if the only thing they did
11 was started chopping out indefinite claim language, we
12 would be in much better shape than we are today.

13 MS. MICHEL: Thank you. John?

14 PROFESSOR DUFFY: I want to say that Michael's
15 presentation does point out a very, very basic problem
16 that's always been in the patent system in the sense
17 that what the patent system is trying to do is to create
18 property rights at the very edges of technology and
19 human understanding.

20 It should not at all be surprising that we have
21 immense difficulties, and only a very sophisticated
22 society can actually have a patent system. They didn't
23 exist in the classical world, so you need a very legally
24 sophisticated society in order to do this.

25 I don't think that merely because we see that

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1 there are some industries that may have developed a
2 relatively precise language, that simply because those
3 are better, that we should think that the patent system
4 isn't working in the other industries.

5 Michael targets the functional language, and I
6 think that there are is something else going on. I
7 think that Michael does make a very good presentation
8 that something is changing overall at the Federal
9 Circuit level and at the level of interpreting what
10 patents mean.

11 I think that has been actually an excessive
12 literalism, and that patent claims used to be
13 interpreted and indeed you can find -- this is the way
14 the Supreme Court always did it. They always used the
15 doctrine of equivalents as a second step to limit
16 literal language.

17 So in other words, the rule that you see for
18 patent lawyers out there, the rule that you see in
19 Section 112, paragraph 6, that was never
20 supposed to be a different rule than the normal
21 infringement rule. That was the rule of going back to
22 the specification and making sure that what was said in
23 the claims actually had some basis in the specification
24 and that that sort of gets around literalism.

25 It sort of accepts the problem that we're not

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1 going to be able to create literal language that always
2 describes things, and this is not -- I want to make this
3 clear. This is not pro -- this is not anti inventor to
4 do that. Indeed I think as a case study, you should
5 use -- to look at the question of functional claim
6 language, you should look -- or the Wright patent to look
7 at is the Wright patent, which is a case study in my
8 case book because that used purely functional terms in
9 its claim language.

10 And the great thing about it is, Joe and I are
11 big fans of Learned Hand. You have an opinion of
12 Learned Hand. How could you not love this case? It's
13 one of the most famous patent cases, and the most famous
14 patent judge, and there is a very hard issue in there
15 about the way they claimed, and they claimed
16 functionally, purely functionally.

17 There's two answers, the one that Learned Hand
18 gave them or the opposite, which would have given them
19 exactly \$0 as an award for their invention, so
20 it's an interesting case study to see, to sort of point
21 out whether it's really functional claiming that we're
22 angry about or maybe it's excessively literalism, which
23 I think is a problem, and maybe that's not inconsistent
24 with what Michael is saying. Maybe that's similar to
25 what he's saying.

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1 MS. MICHEL: Joe?

2 PROFESSOR MILLER: Yeah. I want to add just
3 another layer of historical context around what's been
4 said, especially about the connection between claim
5 language and the disclosure, and one thing that is
6 striking is if you go back and grab a batch of patents
7 from 1908, they look the same as patents from 2008.

8 Now, so what? Well, as the Chairman mentioned
9 this morning, right, if you're trying to run broadband
10 rules on a dial up platform, things can get a little
11 inky. Well, we're running on a whip and buggy platform
12 in the sense that I wonder what a team of information
13 scientists today would say the optimal patent disclosure
14 and claiming document should look like if they got to
15 design it from the ground up.

16 I wonder if they would come out with a document
17 which doesn't have any general crosslinking, doesn't use
18 different colors of text to mark different concepts when
19 things were introduced during prosecution, right? I
20 mean it's just a little odd I think that the patent
21 itself, as a document, hasn't changed in more than a
22 hundred years. Weird.

23 MS. MICHEL: All right. Mike?

24 PROFESSOR MEURER: John is right.

25 PROFESSOR DUFFY: Thank you.

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1 PROFESSOR MILLER: Being too nice to you today,
2 John.

3 PROFESSOR DUFFY: The Federal Circuit may not in
4 May.

5 PROFESSOR MEURER: I'll tell you why. In my
6 talk, I gave an unqualified disparagement of functional
7 claiming, and Jeff pointed out that that was a bit
8 problematic. John pointed out that's problematic, so
9 let me restate my position, that structural claims seem
10 to work well, provide give notice. Functional claims
11 are problematic. We need a good body of patent law
12 surrounding them or working with them for them to
13 succeed.

14 So I think as Jeff pointed out it would be great
15 if we did a better job of applying written description
16 and enablement. In the book, unlike what Duane
17 suspects, we don't advocate abolishing software patents,
18 although we do make a contingent statement. We say, we
19 need lots of reforms, and if these reforms don't work
20 then, maybe we'll think about abolishing software
21 patents, but we're conservative, and we want to work
22 through all of what appear to be the straightforward
23 sorts of reforms before we move to that radical
24 position.

25 So I don't think that this is a statement that

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1 certain kinds of technology cannot be successfully
2 patented. I'm optimistic. I think they can. I also
3 want to note though that functional claiming is not just
4 an issue for software. We see functional claiming of
5 biohazard, of binds, of sofas, of prison walls. In
6 fact, it's kind of puzzling, but you look at most of
7 these famous Federal Circuit cases and they're dealing
8 with pretty pedestrian kinds of technologies.

9 You look at books that teach people how to draft
10 patents, and clearly the message is draft functionally.
11 Draft abstractly. Your mission of course is to claim
12 the biggest juiciest property right you can, and the
13 Court's or the PTO haven't done what they should do to
14 counterbalance the clear incentives sitting out there in
15 front of patent attorneys.

16 MR. ADKINSON: Most of this discussion has
17 focused on how the patent document could be made clearer
18 through application of various doctrines. In the first
19 panel this morning we heard about the difficulty of lack
20 of likelihood that we would ever see the relevant patent
21 documents before you made investments, and so I would
22 just like to throw that broad question open to: Is that
23 a problem, in what particular industries, and what might
24 we do about it?

25 MS. MICHEL: Do you want to limit continuations?

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1 And how did it go this morning? Jeff, please?

2 MR. KUSHAN: So fortuitously I had my flag up,
3 so on the question of continuations, it's not -- I think
4 very clearly in the history of the biotech area has been
5 that those are necessary to make sure that you actually
6 get to an end point where you end up with a patent that
7 is worth something, and the value for companies to have
8 the option to keep pushing forward to get the claims
9 they need is very, very important.

10 I understand one of the biggest challenges of
11 having a longer window of time in front of the Patent
12 Office is that your claims evolve to match what you find
13 in the marketplace, and it seems to me that something
14 short of the stupid rules that you can come up with and
15 say one shot and that's it, a much more granular
16 solution needs to be found, and that solution needs to
17 be looking at when you present claims and how they
18 relate to what you put in there before.

19 The problem I think that many people have
20 outside the biotech area has been that the claims morph
21 over time, and eventually have no tie to what is
22 actually invented.

23 MS. MICHEL: So you're sort of supporting Mike's
24 point of stronger 112 requirements in the biotech
25 industry. He's nodding, let the record is not going to

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1 reflect that.

2 MR. KUSHAN: I do. I think historically -- so
3 we feel fairly confident we have a good balance in the
4 biotech and life sciences sector because we can -- we
5 look in the specification, we see if there is a
6 correspondence between the claim scope and what we've
7 written down, what we've invented, and I think one of
8 the challenges -- just historically I did have a time
9 when I was in the Patent Office where we were working on
10 software examination standards.

11 We found one of the biggest challenges was
12 figuring out what was invented. There's no uniform
13 nomenclature. Everybody has complete freedom to write
14 whatever they want, and so it's not like you can
15 complain about the claims being fuzzy. You can claim
16 about the entirety of the description being fuzzy. It's
17 just all fuzz.

18 So the examiners, who get 18 hours to figure
19 everything out, look at this, and say, I can't -- I
20 don't even know what you invented, so certainly some
21 kind of a point of pressure that needs to be applied in
22 the areas that don't enjoy the benefit of objective
23 descriptions like ours is to get that, some kind of a
24 tool in the hands of the examiners to figure out what
25 has been described as the invention.

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1 The last point will be: We've seen evolve the
2 written description and enablement doctrines. The
3 enablement was always looked at from what you gave me,
4 can you get to what you claimed, and from the written
5 description that has now evolved to: What did you
6 actually make and do and describe, and how does that
7 relate to your claims.

8 That second variable I see as being very
9 powerful in addressing some of the claim scope and
10 transparency issues you see with the software claiming
11 issue.

12 MS. MICHEL: All right. And I could do this all
13 day, but we should wrap up soon, so any final comments,
14 Mike, please? I did not mean to cut you off there, just
15 to say that we'll have final comments and wrap up.

16 PROFESSOR MEURER: Well, one final comment. I
17 kind of meta answer to Bill's last question is clear
18 notice I think will facilitate good licensing.
19 Someone's good a technology out there. They're living
20 in a world that's populated by a lot of bad patents that
21 kind of discourages people from finding them and
22 licensing them.

23 So good notices should promote the good licenses
24 and it should punish the trolls or it should punish at
25 least trolling the way most people do, but it should

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1 punish any person that's trying to assert a patent with
2 this only slender argument that it's got a scope that
3 actually covers the technology they're asserting it
4 against.

5 So a good notice could cut down on the bad
6 licenses and increase the good licenses.

7 MS. MICHEL: All right. Yes, John, final
8 comments? You can close down the show. Okay.

9 PROFESSOR DUFFY: No, no, no. I won't close
10 down the show.

11 MS. MICHEL: In that case, this has been a very
12 helpful and interesting conversation, and I want to
13 thank all of our panelists, thank the audience who
14 stayed, and please, I'll put in one more plug, for we
15 want your comments, and feel free to actually just
16 contact us informally. We would love to hear from you.

17 Thank you.

18 (Applause.)

19 (Whereupon, at 5:17 p.m. the hearing was
20 concluded.)

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