U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371		Attorney Docket No.						
		U.S. Application No. (if known, see 37 CFR 1.5)						
International Application No.	International Filing Date	Priority Date Claimed						
Title of Invention								
First Named Inventor								
Applicant herewith submits to the United St	tates Designated/Elected Office (DO/EO/US	the following items and other information.						
35 U.S.C. 371(f) will not be effective ι	ational examination procedures (35 U.S.C. 371 unless the requirements under 35 U.S.C. 371(o ion and English translation thereof (if required)	c)(1), (2), and (4) for payment of the basic national						
	n (35 U.S.C. 371(c)(2)) is attached hereto (not mational Bureau or was filed in the United Stat							
3. An English language translation of the	e International Application (35 U.S.C. 371(c)(2)	))						
a. is attached hereto.								
4. An oath or declaration of the inventor	(s) (35 U.S.C. 371(c)(4))							
a. is attached.								
	ational phase under PCT Rule 4.17(iv).							
Items 5 to 8 below concern amendments ma	ade in the international phase.							
PCT Article 19 and 34 amendments	F. Autista, 40 and attack and foot an entire difference	orginated by the International Property (05 H 0.0						
371(c)(3)).	371(c)(3)).							
	, , , , , , , , , , , , , , , , , , , ,							
7. English translation of annexes (Article attached (35 U.S.C. 371(c)(5)).	e 19 and/or 34 amendments only) of the Interna	ational Preliminary Examination Report is						
Cancellation of amendments made in the intern	national phase							
8a. Do not enter the amendment made in	a. Do not enter the amendment made in the international phase under PCT Article 19.							
8b. Do not enter the amendment made in	the international phase under PCT Article 34.							
NOTE: A proper amendment made in English instruction from applicant not to enter the amer		S. national phase application absent a clear						
The following items 9 to 17 concern a docu	ment(s) or information included.							
9. An Information Disclosure Statement	under 37 CFR 1.97 and 1.98.							
10. A preliminary amendment.								
11. An Application Data Sheet under 37 C	CFR 1.76.							
12. A substitute specification. NOTE: A s	. A substitute specification. NOTE: A substitute specification cannot include claims. See 37 CFR 1.125(b).							
13. A power of attorney and/or change of	address letter.							
14. A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.3 and 37 CFR 1.821-1.825.								
15. Assignment papers (cover sheet and document(s)). Name of Assignee:								
16. 37 CFR 3.73(c) Statement (when the	re is an Assignee).	·						

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTO-1390 (10-12)
Approved for use through 4/30/2013. OMB 0651-0021
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

U.S. APPLN. N	lo. (if known – see	e 37 CFR 1.5)	INTERNATIONAL	APPLICA	ATION No.	ATTORNEY [	ATTORNEY DOCKET No.		
17. Other items or information:									
The following fees have been submitted.					CALCULATIONS	PTO USE ONLY			
18. Basic national fee (37 CFR 1.492(a))					\$				
19. Examination fee (37 CFR 1.492(c))  If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)					\$				
20. Search fee (37 CFR 1.492(b))  If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)\$0  Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority\$120  International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB\$500  All other situations					\$				
TOTAL OF 18, 19, and 20 =					\$				
Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) in an electronic medium or computer program listing in an electronic medium) (37 CFR 1.492(j)).  Fee for each additional 50 sheets of paper or fraction thereof									
Total Sheets	Number of each addition 50 or fraction								
- 100 =	` ` ` `				× \$320	\$			
Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).						\$			
CLAIMS	NUM	BER FILED	NUMBER EXTRA	RATE					
Total claim	ıs	- 20 =		x <b>\$62</b>		\$			
Independent c	Independent claims - 3 = x \$250			x <b>\$250</b>	\$				
MULTIPLE DEPENDENT CLAIM(S) (if applicable) + \$460					\$				
TOTAL OF ABOVE CALCULATIONS =					\$				
Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by ½.									
SUBTOTAL =					\$				
Processing fee of \$130.00 for furnishing the English translation later than 30 months form the earliest claimed priority date (37 CFR 1.492(i)).					\$				
TOTAL NATIONAL FEE =					\$				
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). <b>\$40.00</b> per property. +					\$				
TOTAL FEES ENCLOSED =					\$				
					Amount to be refunded:	\$			
						Amount to be charged:	\$		

Approved for use through 4/30/2013. OMB 0651-0021
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. a. A check in the amount of \$ \_\_\_\_\_ to cover the above fees is enclosed. Please charge my Deposit Account No. \_\_\_\_\_\_ in the amount of \$\_\_\_\_\_ to cover the above fees. b. The Director is hereby authorized to charge additional fees which may be required, or credit any overpayment, to Deposit Account C. \_\_\_\_ as follows: any required fee. any required fee except for excess claims fees required under 37 CFR 1.492(d) and (e) and multiple dependent claim fee required under 37 CFR 1.492(f). Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not d. be included on this form. Provide credit card information and authorization on PTO-2038. The PTO-2038 should only be mailed or faxed to the USPTO. However, when paying the basic national fee, the PTO-2038 may NOT be faxed to the USPTO. ADVISORY: If filing by EFS-Web, do NOT attach the PTO-2038 form as a PDF along with your EFS-Web submission. Please be advised that this is not recommended and by doing so your credit card information may be displayed via PAIR. To protect your information, it is recommended to pay fees online by using the electronic payment method. NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status. **Correspondence Address** The address associated with Customer Number: Correspondence address below Name Address Zip Code City State Country Telephone Email Signature Date Registration No. Name (Print/Type) (Attorney/Agent)

## **Privacy Act Statement**

The **Privacy Act of 1974 (P.L. 93-579)** requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

- The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
- 2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
- 3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
- 4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
- 5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
- 6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
- 7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
- 8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
- 9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.