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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 Attorney Docket No. UTILITY First Named Inventor PATENT APPLICATION Title TRANSMITTAL Express Mail Label No. (Only for new nonprovisional applications under 37 CFR 1.53(b)) **Commissioner for Patents** APPLICATION ELEMENTS ADDRESS TO: P.O. Box 1450 See MPEP chapter 600 concerning utility patent application contents. Alexandria, VA 22313-1450 **Fee Transmittal Form ACCOMPANYING APPLICATION PAPERS** (PTO/SB/17 or equivalent) **Assignment Papers** Applicant asserts small entity status. (cover sheet & document(s)) See 37 CFR 1 27 Name of Assignee Applicant certifies micro entity status. See 37 CFR 1.29. Applicant must attach form PTO/SB/15A or B or equivalent. 37 CFR 3.73(c) Statement **Power of Attorney** Specification [Total Pages Both the claims and abstract must start on a new page. (when there is an assignee) (See MPEP § 608.01(a) for information on the preferred arrangement) **English Translation Document** Drawing(s) (35 U.S.C. 113) Total Sheets (if applicable) Information Disclosure Statement 6. Inventor's Oath or Declaration [Total Pages 13. (PTO/SB/08 or PTO-1449) (including substitute statements under 37 CFR 1.64 and assignments serving as an oath or declaration under 37 CFR 1.63(e)) Copies of citations attached Newly executed (original or copy) **Preliminary Amendment** A copy from a prior application (37 CFR 1.63(d)) b. **Return Receipt Postcard** 7. Application Data Sheet * See note below. (MPEP § 503) (Should be specifically itemized) See 37 CFR 1.76 (PTO/AIA/14 or equivalent) Certified Copy of Priority Document(s) CD-ROM or CD-R (if foreign priority is claimed) in duplicate, large table, or Computer Program (Appendix) **Nonpublication Request** Landscape Table on CD Under 35 U.S.C. 122(b)(2)(B)(i). Applicant must attach form PTO/SB/35 or equivalent. 9. Nucleotide and/or Amino Acid Sequence Submission 18. Other: (if applicable, items a. - c. are required) Computer Readable Form (CRF) Specification Sequence Listing on: CD-ROM or CD-R (2 copies); or ii. Paper Statements verifying identity of above copies *Note: (1) Benefit claims under 37 CFR 1.78 and foreign priority claims under 1.55 must be included in an Application Data Sheet (ADS). (2) For applications filed under 35 U.S.C. 111, the application must contain an ADS specifying the applicant if the applicant is an assignee, person to whom the inventor is under an obligation to assign, or person who otherwise shows sufficient proprietary interest in the matter. See 37 CFR 1.46(b) 19. CORRESPONDENCE ADDRESS The address associated with Customer Number: OR Correspondence address below Name Address Zip Code City State Telephone Email Country Signature Date Registration No. Name (Print/Type) (Attorney/Agent)

This collection of information is required by 37 CFR 1.53(b). 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 12 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: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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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.

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- 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.
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