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If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_

09/082,523

**B. Patent No.(s)**

Additional numbers attached? ☐ Yes ☒ No

6. Total number of applications and patents involved: 1

## Patent Counsel

7. Total fee (37 CFR 3.41).....\$ 40

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**Assignments PATENT**  
**REEL: 9448 FRAME: 0801**



National Aeronautics and  
Space Administration

**ASSIGNMENT and AGREEMENT**

Patent Application

Title of Invention: Computer Implemented Empirical Mode Decomposition Method, Apparatus, and Article of Manufacture Utilizing Curvature Extrema

Inventors: Dr. Norden E. Huang and Dr. Zheng Shen

NASA Case No.: GSC13,817-2 Application No.\*: 09/082,523 Filing Date\*: 05/21/98

WHEREAS, the parties to this Assignment and Agreement are the undersigned joint inventor, and the United States Government (hereafter Government), as represented by the Administrator of the National Aeronautics and Space Administration, Washington, D.C. 20546;

WHEREAS, the undersigned joint inventor has executed, in the date indicated below, an application for a United States Patent on the above-entitled invention; and

WHEREAS, the Government is desirous of acquiring the entire right, title and interest in the above-entitled invention and the executed application.

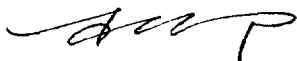
NOW THEREFORE, in consideration of the payment of royalties pursuant to NASA Policy Directive, NPD 2092.1, Royalties and Other Payments Received by NASA from the Licensing of Patents and Patent Applications, the undersigned hereby:

1. Assigns to the Government my full and exclusive right in and to said invention within the United States of America, its territories and possessions, and my entire right, title and interest in and to said application, and any corresponding continuation or divisional application(s) and any patent(s) that may issue therefrom.
2. Agrees to grant to the Government the option to acquire foreign rights.
3. Agrees, at the expense of the Government, (a) to execute any document for, (b) to deliver any requested information to, and (c) to cooperate in any manner with the Government in order to allow the Government to protect any interest transferred by this Assignment and Agreement.

\*4. Authorizes and requests the attorneys of record in the application to insert the application number and filing date above when required.

5. Reserves a non-exclusive, non-transferable, license to make and use the above-entitled invention embodied in said application, and any corresponding continuation or divisional application(s) and any patent(s) that may issue therefrom solely for the purpose of nonprofit academic research conducted by the undersigned.

6. Agrees to submit to the Office of Patent Counsel/ NASA Goddard Space Flight Center a written report annually within thirty (30) days after the first day of January during the life of said application, and any corresponding continuation or divisional application(s) and any patent(s) that may issue therefrom, summarizing the making and using of the invention, specifically including the purpose for which the invention was made or used, the employment at the time, the funding agreement performed under, if any, and the results achieved by making and using the invention.



(Signature of Inventor)

5119198

Date

5/19/98

Date Application Executed

Dr. Zheng Shen

(Inventor's Typed Name)

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