Empirical Mode Decomposition Apparatus, Method and Article of Manufacture for Analyzing Biological Signals and Performing Curve Fitting

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DESCRIPTION

This technology is a signal biological analyzing method which utilizes intrinsic mode function. The method involves inputting a signal and recursively sifting the signal through empirical mode decomposition to extract an intrinsic mode function indicative of an intrinsic oscillatory mode. The intrinsic mode function is utilized as a basis to interpret the signal by displaying the intrinsic mode function and by storing and transmitting the function.

FEATURES AND BENEFITS

 The method eliminates undesired functions, thereby generating a filtered signal from which the method can perform a curving fitting process to arrive at an analytic function, which accurately represents the physically important components of the original signal.

APPLICATIONS

- o Computer Programs
- o Biological Signal Processing
- o Geophysical Signal Processing

FOR MORE INFORMATION

If you are interested in more information or want to pursue transfer of this technology, GSC-13817-1, please contact:

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