ABSTRACT

METHOD FOR EXTRACTING FEATURE OF VIBRATION SIGNAL, AND DEVICE ANALYSIS METHOD AND APPARATUS

A method and apparatus for extracting a feature of a vibration signal, and a device analysis method and apparatus. The method includes: processing the vibration signal to obtain a derivative signal from the vibration signal (S420), the derivative signal being used for characterizing one or more characteristics of the vibration signal; extracting a feature of the vibration signal and the derivative signal respectively to obtain a first feature extraction result of the vibration signal and a second feature extraction result of the derivative signal (S430); and taking the first feature extraction result and the second feature extraction result as final feature extraction results of the vibration signal. The finally obtained feature extraction results may be used to analyze the vibration signal from different perspectives, thereby improving the universality of the feature extraction results.

Figure 1