

ABSTRACT

A method for monitoring and diagnosing a fluidic system abnormality in a fluid rotary machine used in order to detect a fluidic system abnormality occurring in a fluid rotary machine 11 driven by an induction motor 10. In the method, a value of a kurtosis β , which is based on a spectral group within a predetermined range including a power-supply frequency of the induction motor 10 obtained by conducting a frequency analysis on an at-diagnosis current waveform acquired by measuring a current of the induction motor 10 when diagnosing, is calculated, and when the value of the kurtosis β is smaller than a preset criterial kurtosis or has a tendency to decrease with the lapse of time, it is determined that there is a possibility that the fluidic system abnormality is occurring.