Title (en)

METHOD FOR MONITORING THE OPERATION OF A GAS TURBINE

Title (de)

VERFAHREN ZUM ÜBERWACHEN DES BETRIEBS EINER GASTURBINE

Title (fr)

PROCÉDÉ DE SURVEILLANCE DU FONCTIONNEMENT D'UNE TURBINE À GAZ

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2014032875A2] The invention relates to a method for monitoring the operation of a gas turbine 10, in which component vibrations are detected during the operation of the gas turbine 10 by an acceleration sensor 40 arranged on the component, a plurality of signal sections being determined by means of a plurality of frequency bands fb from the signal 39 forwarded and processed by the acceleration sensor 40. To avoid an unnecessary shutdown of the gas turbine 10 to perform an inspection which subsequently proves unnecessary, thereby increasing the availability of the gas turbine 10, the invention proposes determining a total vibration period by adding together the vibration periods of signal sections during which the amplitudes of the signal sections concerned are greater than a frequency band-specific threshold.

IPC 8 full level

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