Title (en)

METHOD AND DEVICE FOR MONITORING A COOLING AIR SYSTEM OF A TURBINE

Title (de)

VERFAHREN UND VORRICHTUNG ZUR ÜBERWACHUNG DES KÜHLLUFTSYSTEMS EINER TURBINE

Title (fr)

PROCEDE ET DISPOSITIF POUR SURVEILLER LE SYSTEME D'AIR DE REFROIDISSEMENT D'UNE TURBINE

Publication

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Application

EP 05760977 A 20050707

Priority

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- EP 04016249 A 20040709
- EP 05760977 A 20050707

Abstract (en)

[origin: EP1614858A1] The method for the monitoring of the cooling air system (3) of a turbine (5) in which at least one blade row (7) is supplied with cooling air (9) entails determining an air pressure in at least one cooling air collecting chamber (11) from which cooling air is tapped and fed to the blade row. The cooling air collecting chamber is installed in the turbine casing (15) and is located in ring-form around the turbine axis (17). The cooling air collecting chamber is fed with compressed air from a compressor (19) and communicates directly with the blade row via a cooling air passage (21). An independent claim is included for a device of the monitoring of the cooling air system of a turbine in which a pressure sensor (13) is installed in a cooling air collecting chamber from which cooling air is tapped and fed to the blade row.

IPC 8 full level

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CPC (source: EP US)

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