

Title (en)

METHOD AND DEVICE FOR ANTICIPATING THE DETERMINATION OF TEMPERATURE DISTRIBUTION IN A WALL OF A TURBINE SYSTEM

Title (de)

VERFAHREN UND VORRICHTUNG ZUM VORAUSSCHAUENDEN BESTIMMEN EINER TEMPERATURVERTEILUNG IN EINER WAND EINER TURBINENANLAGE

Title (fr)

PROCÉDÉ ET DISPOSITIF PERMETTANT D'ANTICIPER LA RÉPARTITION DE TEMPÉRATURE DANS UNE PAROI D'UNE INSTALLATION DE TURBINES

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Application

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Abstract (en)

[origin: WO2007090482A1] The invention relates to a method and to a device for anticipating the determination of temperature distribution in a wall (15) of a turbine system (1). The wall (15) is divided into several layers (24). The same temperature is taken for the respective layer (24). In a real time module (22), the current temperature (T_{ANF}) of the individual layers (24) of the wall (15) is continuously determined according to the current determined temperature (T_{AM}) of a heat-transferring medium which defines the first wall layer (24_i/SUB>). Also, in an anticipation module, the anticipated determination of the temperatures (T_i-T_n) of the individual layers (24) is carried out in a cyclic manner by means of a predetermined time range, whereby the continuously determined current temperatures (T_{ANF}) of the individual layers are taken into account at the beginning of each cycle.

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