

Title (en)

REGULATING SYSTEM FOR REGULATING THE SPEED OF ROTATION OF A TURBINE AND PROCESS FOR REGULATING THE SPEED OF ROTATION OF A TURBINE DURING RELEASE

Title (de)

REGELSYSTEM ZUR DREHZAHLREGELUNG EINER TURBINE SOWIE VERFAHREN ZUR REGELUNG DER DREHZAHL EINER TURBINE BEI LASTABWURF

Title (fr)

SYSTEME DE REGULATION DU REGIME D'UNE TURBINE ET PROCEDE DE REGULATION DU REGIME D'UNE TURBINE PENDANT UN DELESTAGE

Publication

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Application

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Abstract (en)

[origin: DE19528601A1] A regulating system (1) is disclosed for regulating the speed of rotation of an electric current-generating turbine. The system has a first regulating structure (1) that may be connected to a regulating member (3) for regulating the speed of rotation of the turbine during idle or insulated running of the turbine. A deviation signal (X) dependent on the difference between set value (W2) and real value (W2) of the speed of rotation may be supplied to the first regulating structure (2). During release, the first regulating structure (2) transmits a closure signal to the regulating member (3) depending on the deviation signal (X). The first regulating structure (2) thus combines a function of regulation of the speed of rotation during idle and/or insulated running of the turbine with a function of prevention of a fast turbine shut-down during release. Also disclosed is a process for regulating the speed of rotation of a turbine during release.

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