

Title (en)

METHOD FOR TESTING AN OVERSPEED PROTECTION DEVICE OF A SINGLE-SHAFT PLANT

Title (de)

VERFAHREN ZUM PRÜFEN EINER ÜBERDREHZAHLSCHUTZEINRICHTUNG EINER EINWELLENANLAGE

Title (fr)

PROCÉDÉ POUR VÉRIFIER UN DISPOSITIF DE PROTECTION CONTRE LE SURRÉGIME D'UNE INSTALLATION MONO-ARBRE

Publication

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- EP 2014069068 W 20140908
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Abstract (en)

[origin: WO2015039908A2] The invention relates to a method for testing an overspeed protection device of a single-shaft plant (1) comprising a gas turbine (2) and a steam turbine (3), which method comprises the steps: b) operating the single-shaft plant (1) in such a way that no steam is fed into the steam turbine (3) and the gas turbine (2) drives the steam turbine (3); c) increasing the mass flow rate of the fuel fed into the gas turbine (2) in such a way that the speed of the single-shaft plant (1) reaches a steam turbine limit speed, the overspeed protection device being set in such a way that a first overspeed protection is triggered as soon as the speed of the single-shaft plant (1) reaches the steam turbine limit speed; d) carrying out a test to determine whether the first overspeed protection is triggered.

IPC 8 full level

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F01D 21/003 (2013.01); **F01D 21/02** (2013.01)

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