

Title (en)

COUPLING OF A GAS TURBINE AND A STEAM TURBINE WITH TARGET COUPLING ANGLE WITH ADJUSTMENT OF THE POLE WHEEL

Title (de)

KUPPELN EINER GASTURBINE UND EINER DAMPFTURBINE MIT ZIELKUPPELWINKEL MIT VERSTELLEN DES POLRADWINKELS

Title (fr)

COUPLAGE D'UNE TURBINE À GAZ ET D'UNE TURBINE À VAPEUR À UN ANGLE DE COUPLAGE CIBLE AVEC DÉPLACEMENT DE L'ANGLE DE ROTATION DE ROTOR

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Application

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Abstract (en)

[origin: WO2016062530A1] The invention relates to a method for coupling a gas turbine connected to a generator and a steam turbine, wherein the generator has an excitation winding, the excitation of which can be changed by changing an excitation current flowing through the excitation winding, comprising the following steps: a) accelerating and/or decelerating the steam turbine in such a way that the coupling takes place with a target coupling angle; b) if necessary, changing the excitation current such that the excitation of the excitation winding changed in this way leads to a changed polar wheel angle, wherein the polar wheel angle is changed in such a way that the achieving of the target coupling angle is supported. The invention also relates to an analogous method, wherein the polar wheel angle is changed for the purposes of improved decoupling. A corresponding regulation device is also provided.

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