

Title (en)

METHOD FOR ANALYSING THE HUMMING TENDENCY OF A COMBUSTION CHAMBER, AND METHOD FOR CONTROLLING A GAS TURBINE

Title (de)

VERFAHREN ZUR ANALYSE DER BRUMMNEIGUNG EINER BRENNKAMMER UND VERFAHREN ZUR STEUERUNG EINER GASTURBINE

Title (fr)

PROCÉDÉ D'ANALYSE DE LA TENDANCE AU RONFLEMENT D'UNE CHAMBRE DE COMBUSTION ET PROCÉDÉ DE COMMANDE D'UNE TURBINE À GAZ

Publication

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Application

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Abstract (en)

[origin: EP2239505A1] The method involves identifying resonances of a characteristic variable by a spectrum, and determining amplitude values of the resonances. A stability parameter (9) is calculated as a function of the values. A lower distance value and/or upper distance value, on which the stability parameter lies above a lower threshold value and/or below an upper threshold value, are determined. The threshold values are selected such that the parameter lies on one of the threshold values if a combustion chamber is operated in an operating state with a humming tendency higher than a permissible value. Independent claims are also included for the following: (1) a method for operating a gas turbine (2) a control device for controlling operation of a gas turbine.

IPC 8 full level

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