

Title (en)

CONTROL DEVICE AND METHOD OF A TURBINE ELECTRIC POWER PLANT SUPPLIED WITH LOW CALORIFIC VALUE GAS

Title (de)

STEUERVORRICHTUNG UND -VERFAHREN FÜR EIN MIT EINEM GAS MIT NIEDRIGEM HEIZWERT GESPEISTES ELEKTRISCHES TURBINENKRAFTWERK

Title (fr)

DISPOSITIF ET PROCÉDÉ DE COMMANDE D'UNE CENTRAL ÉLECTRIQUE À TURBINE ALIMENTÉE AVEC UN GAZ À FAIBLE VALEUR CALORIFIQUE

Publication

EP 2122140 A1 20091125 (EN)

Application

EP 06842812 A 20061229

Priority

IT 2006000884 W 20061229

Abstract (en)

[origin: WO2008081483A1] A control device (8) for a gas-turbine plant (1), having a compressor (12), a combustion chamber (14) and a gas turbine (15), is provided with a regulator (18), for regulating quantities regarding the plant (1) in a first operating condition, in which a first fuel having a nominal calorific value is supplied to the combustion chamber (14), and in a second operating condition, in which a second fuel, having a second calorific value lower than the nominal calorific value, is supplied to the combustion chamber (14). The device (8) moreover includes a limiter (19), concurrent with the regulator (18) selectively in the second operating condition, for limiting a compression ratio (β) of the compressor (12) so that a flowrate (Q-_{TOT}) evolving in the turbine (15) is lower than a pre-set limit flowrate (Q_{TMAX})

IPC 8 full level

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