

Title (en)

Device and method for determining operating parameters of a gas-turbine plant

Title (de)

Verfahren und Vorrichtung zur Ermittlung der Betriebsparametern einer Gas-Turbinen Anlage

Title (fr)

Procédé et dispositif pour la détermination des paramètres de fonctionnement d'une installation de turbine à gas

Publication

**EP 2239641 A9 20110216 (EN)**

Application

**EP 10152837 A 20100205**

Priority

IT MI20090159 A 20090206

Abstract (en)

[origin: EP2239641A2] A device (21) for determining operating parameters of a gas-turbine plant (1) is provided with a first calculating module (26), for calculating a reference exhaust temperature (TRIF) of the turbine (12) on the basis of an ambient temperature (TA), and a second calculating module (27), for calculating a pilot-gas flowrate (QP) to be supplied to a combustion chamber (11) of the plant (1) on the basis of a current exhaust temperature (TS) of the turbine (12) and on the basis of a current position (IGV%) of adjustable inlet guide vanes of a compressor (10) of the plant (1). The first calculating module (26) has a first operating mode and a second operating mode, and the second calculating module (27) has a first operating mode, a second operating mode, and a third operating mode. The device (21) is moreover provided with configuration means (30a, 30b, 30c, 32) for selecting one between the first and second operating modes of the first calculating module (26) and one from among the first, second, and third operating modes of the second calculating module (27).

IPC 8 full level

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