Title (en)

Method for determining the actual peak load of a power plant and device for regulating

Title (de)

Verfahren zum Ermitteln der aktuellen Maximalleistung einer Kraftwerksanlage und Regelvorrichtung

Title (fr)

Procédé pour déterminer la charge de pointe actuelle d'une centrale et système de regulation

Publication

EP 1764486 A1 20070321 (DE)

Application

EP 05020252 A 20050916

Priority

EP 05020252 A 20050916

Abstract (en)

The method involves measuring a measuring value (x i) that affects the maximum power (P max). A conversion factor (f(x i)) is determined from the measured measuring value, which represents the changes of an actual maximum power concerning a reference power (P ref), based on a conversion curve or power plant model. The reference power is converted into the actual maximum power by the conversion factor. An actual gas turbine power and the actual value of the measuring value are measured for calibrating the reference power. Independent claims are also included for the following: (1) a method for regulating a gas turbine plant (2) a regulation device for regulating a power plant such as gas turbine plant or a gas or steam turbine plant (3) a power plant including a regulation device.

IPC 8 full level

F01K 13/02 (2006.01)

CPC (source: EP)

F01K 13/02 (2013.01)

Citation (search report)

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- [A] GB 1037346 A 19660727 - GEN ELECTRIC
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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

EP 1764486 A1 20070321; CN 101268252 A 20080917; CN 101268252 B 20110406; EP 1926889 A2 20080604; WO 2007031535 A2 20070322; WO 2007031535 A3 20070907

DOCDB simple family (application)

EP 05020252 A 20050916; CN 200680034056 A 20060913; EP 06793475 A 20060913; EP 2006066312 W 20060913