

Title (en)

Method for determining the location of burners in an annular combustion chamber of a gas turbine

Title (de)

Verfahren für die Bestimmung der Lage von Brennern in einer Ringbrennkammer einer Gasturbine

Title (fr)

Procédé pour déterminer la position de brûleurs dans une chambre de combustion annulaire d'une turbine à gaz

Publication

EP 2151629 A2 20100210 (EN)

Application

EP 09167518 A 20090807

Priority

IT MI20081514 A 20080808

Abstract (en)

A method for determining the location of burners (6, 7) in an annular combustion chamber (1) of a gas turbine envisages: detecting flow rates (Q_{Pi} , Q_{PXi}) of a plurality of burners (6, 7); calculating an average flow rate (Q_{PM} , Q_{PXM}) of the detected flow rates (Q_{Pi} , Q_{PXi}); calculating a deviation ($\#Q_{Pi}$, $\#Q_{PXi}$) of each detected flow rate (Q_{Pi} , Q_{PXi}) from the average of the flow rates (Q_{PM} , Q_{PXM}); and associating at least one of a plurality of seats (2) of the annular combustion chamber (1), that arranged along a circular path, to at least one burner (6, 7) on the basis of the calculated deviations ($\#Q_{Pi}$, $\#Q_{PXi}$).

IPC 8 full level

F23R 3/00 (2006.01)

CPC (source: EP)

F23R 3/00 (2013.01); **F23R 2900/00014** (2013.01)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

EP 2151629 A2 20100210; **EP 2151629 A3 20130626**; **EP 2151629 A8 20100526**; **EP 2151629 B1 20140723**; IT 1391245 B1 20111201; IT MI20081514 A1 20100209

DOCDB simple family (application)

EP 09167518 A 20090807; IT MI20081514 A 20080808