

Title (en)  
GAS TURBINE

Title (de)  
GASTURBINE

Title (fr)  
TURBINE A GAZ

Publication  
**EP 1483536 A1 20041208 (DE)**

Application  
**EP 03706564 A 20030224**

Priority  
• EP 03706564 A 20030224  
• EP 0301862 W 20030224  
• EP 02005137 A 20020307

Abstract (en)  
[origin: EP1342953A1] The gas turbine (51) has a combustion chamber (55) and a burner (1) opening into the combustion chamber at a burner opening enclosed by a Helmholtz resonator in annular manner. The resonator has a resonator volume and opens into the burner at a resonator opening that is continued into the resonator volume by a small pipe.

IPC 1-7  
**F23M 13/00**; **F23R 3/50**

IPC 8 full level  
**F23R 3/22** (2006.01); **F23M 20/00** (2014.01); **F23R 3/28** (2006.01); **F23R 3/50** (2006.01); **F23R 3/52** (2006.01)

CPC (source: EP US)  
**F23M 20/005** (2015.01 - EP US); **F23R 3/50** (2013.01 - EP US); **F23R 2900/00014** (2013.01 - EP US)

Citation (search report)  
See references of WO 03074936A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT SE SI SK TR

DOCDB simple family (publication)  
**EP 1342953 A1 20030910**; CN 1320314 C 20070606; CN 1639512 A 20050713; DE 50309686 D1 20080605; EP 1483536 A1 20041208; EP 1483536 B1 20080423; ES 2303892 T3 20080901; JP 2005527763 A 20050915; JP 4429730 B2 20100310; US 2005144950 A1 20050707; US 7246493 B2 20070724; WO 03074936 A1 20030912

DOCDB simple family (application)  
**EP 02005137 A 20020307**; CN 03804511 A 20030224; DE 50309686 T 20030224; EP 0301862 W 20030224; EP 03706564 A 20030224; ES 03706564 T 20030224; JP 2003573352 A 20030224; US 50612104 A 20040831