

Title (en)
Gas turbine combustor

Title (de)
Brennkammer für eine Gasturbine

Title (fr)
Chambre de combustion pour une turbine à gaz

Publication
EP 0990851 B1 20030723 (DE)

Application
EP 98810983 A 19980930

Priority
EP 98810983 A 19980930

Abstract (en)
[origin: EP0990851A1] The cooling air is fed by channels (14,16) outside the inner walls (12,17) and formed by an outer wall (11) of the combustion chamber and the inner walls. At least in a part area of the inner walls the one wall (17) is formed from at least two parallel holed plates (24). A first holed plate abuts directly on the cooling air channels and is provided with several further apertures (25). Through the further apertures cooling air flows out of the cooling air channels into a first intermediate volume (26). Behind the first holed plate in the direction of the combustion zone (23) is a further holed plate which also has a number of further apertures (27a).

IPC 1-7
F23R 3/10; **F23M 13/00**

IPC 8 full level
F23M 20/00 (2014.01); **F23R 3/00** (2006.01); **F23R 3/10** (2006.01)

CPC (source: EP)
F23M 20/005 (2015.01); **F23R 3/002** (2013.01); **F23R 3/10** (2013.01); **F05B 2260/96** (2013.01); **F23R 2900/00014** (2013.01); **F23R 2900/03341** (2013.01)

Cited by
EP1568869A4; EP1213539A1; EP1174662A1; US10451283B2; CN104769361A; EP1624250A1; EP2282120A1; EP2295864A1; EP1221574A3; US6973790B2; US6640544B2; US7549290B2; WO0225174A1; WO2010149420A1; US7752846B2; US8991185B2; US9857079B2; US7194862B2; US6907736B2; US8839624B2; US7549506B2; WO2014074369A1; WO2023040061A1

Designated contracting state (EPC)
DE GB

DOCDB simple family (publication)
EP 0990851 A1 20000405; **EP 0990851 B1 20030723**; DE 59809097 D1 20030828

DOCDB simple family (application)
EP 98810983 A 19980930; DE 59809097 T 19980930