

Title (en)
Combustion chamber for gas turbine

Title (de)
Gasturbinen-Brennkammer

Title (fr)
Chambre de combustion pour turbine à gaz

Publication
EP 0597138 B1 19970716 (DE)

Application
EP 92119124 A 19921109

Priority
EP 92119124 A 19921109

Abstract (en)
[origin: EP0597138A1] In a combustion chamber for a gas turbine with an annular combustion space, the combustion chamber inlet is equipped with a large number of burners which are distributed uniformly in the circumferential direction and which are fastened on a front plate. Arranged in the region of the burners are flushed Helmholtz dampers (21) consisting of supply pipe (51), resonance volume (50) and damping pipe (52). The damping pipes (52) are designed to be exchangeable, for which purpose the walls of the combustion space are provided with a manhole. <IMAGE>

IPC 1-7
F23R 3/02; **F23M 13/00**

IPC 8 full level
F02C 7/045 (2006.01); **F23M 13/00** (2006.01); **F23M 20/00** (2014.01); **F23M 99/00** (2010.01); **F23R 3/02** (2006.01); **F23R 3/04** (2006.01); **F23R 3/46** (2006.01)

CPC (source: EP KR US)
F23M 20/005 (2015.01 - EP US); **F23R 3/02** (2013.01 - EP KR US); **F05B 2260/96** (2013.01 - EP US); **F23R 2900/00014** (2013.01 - EP US)

Citation (examination)

- EP 0576717 A1 19940105 - ABB RESEARCH LTD [CH]
- FR-A- 2 570 129
- US-A- 2 881 337
- US-A- 4 012 902

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EP2383514A1; DE102005062284B4; EP2187125A1; EP1342953A1; WO2011134713A1; WO03060381A1; EP1004823A3; EP0892217A1; US6164058A; EP0892216A1; DE19640980B4; DE102006053278A1; EP1342952A1; GB2443838A; GB2443838B; DE102006007711A1; DE102006007711B4; CN1320314C; CH700799A1; AU2010233724B2; US7878799B2; US8206079B2; US7661267B2; WO03074937A1; US7320222B2; US6694745B2; EP1655468A2; WO2015176887A1; US10605457B2; EP2474784A1; WO2012093011A1; US8869533B2; US7246493B2; WO2010115980A2; JP2013525737A; WO03074936A1; WO2010115980A3; US7331182B2; EP2383515A1; WO2011134706A1; US8631654B2; WO03058123A1; US7055331B2; EP1235033A2; US6691518B2; EP0976982A1; US6370863B2

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EP 92119124 A 19921109; DE 59208715 T 19921109; JP 27936693 A 19931109; KR 930021695 A 19931019; US 13218593 A 19931006