

Title (en)
Vortex generator for combustion chamber

Title (de)
Wirbelgenerator für Brennkammer

Title (fr)
Générateur de tourbillons pour chambre de combustion

Publication
EP 0745809 B1 20081112 (DE)

Application
EP 96810314 A 19960517

Priority
DE 19520291 A 19950602

Abstract (en)
[origin: EP0745809A1] A mixer duct section (2) is positioned between the primary zone and the secondary stage and has vortex generators (200). The mixer section and vortex generators have passages through which mixed air (8) is injected into a main flow (4). A vortex generator has three flow surfaces one of which forms the roof surface, and the two other the side surfaces which are joined to the same wall segment of the duct. The roof surface with an edge running across the duct rests against the same wall segment (5,6) of the duct as the side surfaces. Longitudinally pointing edges of the roof surface are joined to the longitudinally pointing edges of the side surfaces protruding into the duct.

IPC 8 full level
F23R 3/16 (2006.01); **F23R 3/20** (2006.01); **F23C 99/00** (2006.01); **F23R 3/04** (2006.01); **F23R 3/26** (2006.01); **F23R 3/28** (2006.01)

CPC (source: EP US)
F23R 3/04 (2013.01 - EP US); **F23R 3/16** (2013.01 - EP US); **F23R 3/26** (2013.01 - EP US); **F05B 2250/00** (2013.01 - EP US); **F05B 2260/222** (2013.01 - EP US); **F23R 2900/03041** (2013.01 - EP US)

Citation (examination)
US 4292801 A 19811006 - WILKES COLIN, et al

Cited by
EP0999367A1; EP1382379A3; CN101067497A; EP1975506A1; EP2112433A1; DE10250208A1; DE10250208A9; US12123596B2; US8424310B2; WO2015088687A1; WO2008119737A1; WO2007067085A1; WO0039503A1; US6702574B1; US6216644B1

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
EP 0745809 A1 19961204; **EP 0745809 B1 20081112**; CN 1160150 A 19970924; CN 1244766 C 20060308; DE 19520291 A1 19961205; DE 59611488 D1 20081224; JP H0914603 A 19970117; US 5735126 A 19980407

DOCDB simple family (application)
EP 96810314 A 19960517; CN 96107763 A 19960531; DE 19520291 A 19950602; DE 59611488 T 19960517; JP 13697796 A 19960530; US 62519096 A 19960401