

Title (en)

Annular combustion chamber of a turbomachine

Title (de)

Ringförmige Brennkammer eines Turbotriebwerks

Title (fr)

Chambre de combustion annulaire d'une turbomachine

Publication

EP 1818612 B1 20100929 (FR)

Application

EP 07102014 A 20070209

Priority

FR 0650475 A 20060210

Abstract (en)

[origin: EP1818612A1] The combustion chamber (24), having inner and outer walls and a base (30) at the chamber's upstream end, and two metal coupling flanges (27, 29) for connecting the walls to other engine components, has the two walls divided into a number of sectors (126, 128) that are attached to the base of the chamber or to one of the flanges at two or more points (36, 36'). The lateral edges (128a) of the sectors, which are made from a composition material with a ceramic matrix, are inclined circumferentially relative to the main axis of the engine, and each one has a raised lip (60) creating an overlap that leaves a gap for cool air to enter the chamber from the outside.

IPC 8 full level

F23R 3/00 (2006.01); **F23R 3/50** (2006.01)

CPC (source: EP US)

F23R 3/002 (2013.01 - EP US); **F23R 3/007** (2013.01 - EP US); **F23R 3/50** (2013.01 - EP US); **F23R 2900/00005** (2013.01 - EP US)

Cited by

EP3211312A1; CN106812556A; RU2477822C2; EP2031304A1; FR2920525A1; FR3045137A1; EP4235030A1; EP2947296A1; US8069669B2; US10473332B2; US9752447B2

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