

Title (en)

Transverse wall of a combustion chamber equipped with multi-perforation holes

Title (de)

Querwand einer Brennkammer, die mit Multiperforationslöchern ausgestattet ist

Title (fr)

Paroi transversale de chambre de combustion munie de trous de multiperforations

Publication

EP 1818617 B1 20120829 (FR)

Application

EP 07101655 A 20070202

Priority

FR 0650459 A 20060209

Abstract (en)

[origin: EP1818617A1] The wall has a set of deflectors (16) forming a heat shield and mounted in each of a set of apertures (12). The deflectors has a circular aperture (17) centered on an axis of symmetry of fluid injection systems (14). Each deflector comprises two deformations (20) forming chicanes for through-flow of a cooling air flow. The deformations force the flow of cooling air for the deflectors to flow radially around the fuel injection systems. The deformations extend radially on both sides of the circular aperture to allow passage of the fuel injection systems.

IPC 8 full level

F23R 3/10 (2006.01); **F23R 3/28** (2006.01)

CPC (source: EP US)

F23R 3/10 (2013.01 - EP US); **F23R 3/283** (2013.01 - EP US); **F23R 2900/03044** (2013.01 - EP US)

Cited by

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DE FR GB IT

DOCDB simple family (publication)

EP 1818617 A1 20070815; **EP 1818617 B1 20120829**; CA 2577595 A1 20070809; CA 2577595 C 20141223; CN 101016999 A 20070815; FR 2897107 A1 20070810; FR 2897107 B1 20130118; JP 2007211774 A 20070823; RU 2007104918 A 20080820; RU 2426948 C2 20110820; US 2007180834 A1 20070809; US 7992391 B2 20110809

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