

Title (en)

Improvement of the performances of a combustion chamber by multiperforating the walls

Title (de)

Leistungsverbesserung einer Brennkammer durch vielfache Perforierung der Wände

Title (fr)

Amélioration des performances d'une chambre de combustion par multiperforation des parois

Publication

EP 1777458 B1 20150812 (FR)

Application

EP 06120816 A 20060918

Priority

FR 0510584 A 20051018

Abstract (en)

[origin: EP1777458A1] The annular wall (6-8) for turbomachine combustion chambers has circumferential rows of primary air inlets (18) and dilution inlets (20). The wall is covered with circumferential rows of cooling inlets (22) which are smaller than the other inlets and are arranged in circumferential rows with an equal number of inlets. There is a row of larger cooling inlets (24) immediately downstream from the primary and dilution inlets. An independent claim is included for turbomachines fitted with the wall.

IPC 8 full level

F23R 3/00 (2006.01); **F23R 3/06** (2006.01)

CPC (source: EP US)

F23R 3/002 (2013.01 - EP US); **F23R 3/06** (2013.01 - EP US); **F23R 2900/03041** (2013.01 - EP US); **F23R 2900/03042** (2013.01 - EP US)

Citation (examination)

EP 1632720 A1 20060308 - GEN ELECTRIC [US]

Cited by

FR2974162A1; FR2975465A1; EP3040615A1; RU2474763C2; EP2053312A3; FR2922629A1; FR2981733A1; GB2511440A; GB2511440B; US9765970B2; WO2013060985A1

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DOCDB simple family (application)

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