

Title (en)

COOLED WALL OF COMBUSTION CHAMBER AND COMBUSTION CHAMBER COMPRISING SAID WALL

Title (de)

GEKÜHLTE WAND EINER BRENNKAMMER UND BRENNKAMMER MIT DER BESAGTEN WAND

Title (fr)

PAROI REFROIDIE DE CHAMBRE DE COMBUSTION ET CHAMBRE DE COMBUSTION COMPRENANT LADITE PAROI

Publication

EP 2941593 B1 20161123 (EN)

Application

EP 13830068 A 20131231

Priority

- IT MI20130008 A 20130107
- IB 2013061439 W 20131231

Abstract (en)

[origin: WO2014106809A2] The present invention relates to a new technology for producing cooled flat walls (1) for combustion chambers. The flat wall according to the present invention comprises at least two flat sheets (2a, 2b) parallel to each other and connected to each other at the lower edges by at least one feeding manifold (4b), at the upper edges by at least one collecting manifold (5b), at the side edges by vertical manifolds (7a, 7b) adapted to convey the fluid entering in said feeding manifold (4b) or exiting from said collecting manifold (4b) (5b). With the flat wall according to the present invention it is possible to obtain multiple advantages, above all linked to lower production and maintenance costs with respect to membrane walls of conventional type.

IPC 8 full level

F22B 13/00 (2006.01); **F22B 21/00** (2006.01); **F22B 37/36** (2006.01)

CPC (source: EP)

F22B 13/005 (2013.01); **F22B 21/00** (2013.01); **F22B 37/365** (2013.01)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

WO 2014106809 A2 20140710; **WO 2014106809 A3 20150108**; EP 2941593 A2 20151111; EP 2941593 B1 20161123;
IT MI20130008 A1 20140708

DOCDB simple family (application)

IB 2013061439 W 20131231; EP 13830068 A 20131231; IT MI20130008 A 20130107