

Title (en)
Segmented combustion chamber head

Title (de)
Segmentierter Brennkammerkopf

Title (fr)
Tête de chambre de combustion segmentée

Publication
EP 2503246 A3 20141126 (DE)

Application
EP 12001992 A 20120321

Priority
DE 102011014670 A 20110322

Abstract (en)
[origin: EP2503246A2] The combustion chamber head comprises an annular outer combustion chamber wall (104) and an annular inner combustion chamber wall (107) with multiple burners (106) arranged around the periphery in a distributed manner. Multiple segment like head elements are arranged around the periphery, whose number is equal to the number of burners and which extend in radial direction between the inner combustion chamber wall and the outer combustion chamber wall and in peripheral direction between radial planes formed between the burner central axes.

IPC 8 full level
F23R 3/00 (2006.01); **F23R 3/28** (2006.01); **F23R 3/60** (2006.01)

CPC (source: EP US)
F23R 3/002 (2013.01 - EP US); **F23R 3/10** (2013.01 - EP US); **F23R 3/283** (2013.01 - EP US); **F23R 3/60** (2013.01 - EP US);
F23R 2900/00012 (2013.01 - EP US); **F23R 2900/00014** (2013.01 - EP US)

Citation (search report)

- [XYI] US 5524438 A 19960611 - JOHNSON THOMAS E [US], et al
- [X] EP 1818615 A1 20070815 - SNECMA [FR]
- [X] GB 2107448 A 19830427 - ROLLS ROYCE
- [YD] DE 10360164 A1 20050721 - MTU AERO ENGINES GMBH [DE]
- [YD] DE 102009032277 A1 20110120 - ROLLS ROYCE DEUTSCHLAND [DE]

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
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US 2012240583 A1 20120927; US 9328926 B2 20160503

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EP 12001992 A 20120321; DE 102011014670 A 20110322; US 201213426070 A 20120321