

Title (en)

HEAT SHIELD HAVING AN OUTERMOST YTTRIUM OXIDE COATING, PRODUCTION METHOD AND PRODUCT

Title (de)

HITZESCHILD MIT ÄUSSERSTER YTTRIUMOXIDBESCHICHTUNG, VERFAHREN ZUR HERSTELLUNG UND PRODUKT

Title (fr)

ÉCRAN THERMIQUE À COUCHE D'OXYDE D'YTTRIUM EXTÉRIEURE, PROCÉDÉ DE FABRICATION ET PRODUIT

Publication

EP 3426623 A1 20190116 (DE)

Application

EP 17721341 A 20170420

Priority

- DE 102016206968 A 20160425
- EP 2017059318 W 20170420

Abstract (en)

[origin: WO2017186547A1] The corrosion and erosion resistance of ceramic heat shield elements is improved by the use of yttrium oxide on aluminum oxide as a layer or substrate material.

IPC 8 full level

C04B 41/00 (2006.01); **C23C 14/00** (2006.01); **F23M 5/00** (2006.01)

CPC (source: EP US)

C04B 41/009 (2013.01 - EP US); **C04B 41/5045** (2013.01 - EP US); **C04B 41/52** (2013.01 - EP US); **C04B 41/87** (2013.01 - EP US); **C04B 41/89** (2013.01 - EP US); **C23C 4/11** (2016.01 - EP US); **C23C 28/04** (2013.01 - US); **C23C 28/3215** (2013.01 - EP US); **C23C 28/345** (2013.01 - EP US); **C23C 28/3455** (2013.01 - EP US); **F01D 5/288** (2013.01 - EP US); **F23M 5/00** (2013.01 - EP US); **F23R 3/007** (2013.01 - EP US); **C23C 4/134** (2016.01 - US); **F23M 2900/05004** (2013.01 - EP US)

Citation (search report)

See references of WO 2017186547A1

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)

DE 102016206968 A1 20171026; EP 3426623 A1 20190116; US 2019119818 A1 20190425; WO 2017186547 A1 20171102

DOCDB simple family (application)

DE 102016206968 A 20160425; EP 17721341 A 20170420; EP 2017059318 W 20170420; US 201716094238 A 20170420