

Title (en)

PROCESS FOR LOCALISED REPAIR OF A DAMAGED THERMAL BARRIER

Title (de)

VERFAHREN ZUR LOKALISIERTEN REPARATUR EINER BESCHÄDIGTEN WÄRMEDÄMMSCHICHT

Title (fr)

PROCEDE DE REPARATION LOCALISEE D'UNE BARRIERE THERMIQUE ENDOMMAGEE

Publication

**EP 3099848 A1 20161207 (FR)**

Application

**EP 14828044 A 20141211**

Priority

- FR 1400224 A 20140129
- FR 2014053268 W 20141211

Abstract (en)

[origin: WO2015114227A1] The invention relates to a process for the localised repair of a damaged thermal barrier comprising the following step:  
a) treatment via electrophoresis of a part coated with a damaged thermal barrier, the part being formed from an electrically conductive material, the damaged thermal barrier comprising a ceramic material and having at least one damaged zone to be repaired, the part being present in an electrolyte comprising a suspension of particles in a liquid medium, a ceramic coating being deposited by electrophoresis in the damaged zone in order to obtain a repaired thermal barrier intended to be used at temperatures greater than or equal to 1000 °C, the particles being formed from a material different to the ceramic material present in the damaged thermal barrier.

IPC 8 full level

**C25D 13/02** (2006.01); **C25D 13/12** (2006.01); **C25D 13/20** (2006.01); **F01D 5/00** (2006.01)

CPC (source: EP RU US)

**C25D 13/02** (2013.01 - EP RU US); **C25D 13/12** (2013.01 - EP US); **C25D 13/18** (2013.01 - EP); **C25D 13/20** (2013.01 - EP US); **C25D 13/22** (2013.01 - EP US); **F01D 5/005** (2013.01 - EP US); **F01D 5/288** (2013.01 - EP US); **F05D 2220/30** (2013.01 - US); **F05D 2230/30** (2013.01 - US); **F05D 2230/40** (2013.01 - US); **F05D 2230/90** (2013.01 - EP US); **F05D 2300/20** (2013.01 - US); **F05D 2300/5023** (2013.01 - US)

Citation (search report)

See references of WO 2015114227A1

Designated contracting state (EPC)

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Designated extension state (EPC)

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**WO 2015114227 A1 20150806**; BR 112016017562 A2 20170808; BR 112016017562 B1 20220412; CA 2938031 A1 20150806; CA 2938031 C 20220510; CN 106414813 A 20170215; CN 106414813 B 20190430; EP 3099848 A1 20161207; EP 3099848 B1 20210825; EP 3789518 A1 20210310; EP 3789518 B1 20231129; RU 2016135017 A 20180305; RU 2016135017 A3 20180822; RU 2678347 C2 20190128; US 2016348509 A1 20161201; US 9840914 B2 20171212

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