

Title (en)

CAST COMPONENT AND METHODS OF MANUFACTURING WITH COLD SPRAYING

Title (de)

GUSSBAUTEIL UND VERFAHREN ZUR HERSTELLUNG MIT KALTSPRÜHEN

Title (fr)

COMPOSANT COULÉ ET PROCÉDÉS DE PRODUCTION FAISANT APPEL À LA PROJECTION À FROID

Publication

EP 3224389 A1 20171004 (EN)

Application

EP 15862762 A 20151119

Priority

- US 201462083610 P 20141124
- US 2015061602 W 20151119

Abstract (en)

[origin: WO2016085762A1] A cast component includes a cast structure having a primary geometry formed by a mold. Also included is a structural deposit formed by cold spraying one or more layers of powdered material on an outer surface of the cast structure, the structural deposit defining at least one feature of the overall outer geometry of the cast component in addition to the primary geometry. Also provided are methods of manufacturing the cast component.

IPC 8 full level

C23C 24/04 (2006.01)

CPC (source: EP US)

B22C 9/02 (2013.01 - EP US); **B22D 23/003** (2013.01 - EP US); **B22D 25/02** (2013.01 - US); **C23C 24/04** (2013.01 - EP US); **C23C 24/08** (2013.01 - EP US); **C23C 24/085** (2013.01 - EP US); **C23C 24/087** (2013.01 - EP US)

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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US 2015061602 W 20151119; EP 15862762 A 20151119; US 201515528653 A 20151119