

Title (en)

METHOD FOR DEBURRING A CERAMIC FOUNDRY CORE AND USE OF A DEVICE TO PERFORM SUCH METHOD

Title (de)

ENTGRATUNGSVERFAHREN FÜR EINEN KERAMISCHEN GIESSKERN UND VERWENDUNG EINER VORRICHTUNG ZUR AUSFÜHRUNG SOLCHER VERFAHREN

Title (fr)

PROCEDE POUR EBAVURER UN NOYAU DE FONDERIE EN MATIERE CERAMIQUE ET UTILISATION D'UN DISPOSITIF POUR LA MISE EN OEUVRE D'UN TEL PROCEDE

Publication

**EP 2274141 A1 20110119 (FR)**

Application

**EP 09732323 A 20090417**

Priority

- EP 2009054591 W 20090417
- FR 0802179 A 20080418

Abstract (en)

[origin: WO2009127721A1] The present invention relates to a method for deburring a ceramic foundry core (10) obtained by injecting a ceramic paste, said paste including a binder having a predetermined glass transition temperature, into a mold and having at least one surface portion with a surplus of material forming a burr (B) to be eliminated. The method is characterized in that it includes the following stages: a) disposing and attaching the molded, unfired foundry core (10) onto a mounting (300); b) placing a milling tool (100), having an elongated shape with a helically cut edge, onto a tool holder; c) causing the tool to rotate around its axis and touching the milling tool to said surface portion to be deburred; and d) freezing (400) the surface portion to be deburred such that the foundry core is maintained at a temperature lower than said glass transition temperature during the deburring operation.

IPC 8 full level

**B28B 11/18** (2006.01); **B24B 9/06** (2006.01); **B24B 19/14** (2006.01)

CPC (source: EP US)

**B24B 9/06** (2013.01 - EP US); **B24B 19/14** (2013.01 - EP US); **B28B 11/18** (2013.01 - EP US)

Citation (search report)

See references of WO 2009127721A1

Designated contracting state (EPC)

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 SE SI SK TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

**WO 2009127721 A1 20091022**; BR PI0910569 A2 20150922; BR PI0910569 B1 20190226; CA 2721449 A1 20091022; CA 2721449 C 20160816; CN 102056717 A 20110511; CN 102056717 B 20121024; EP 2274141 A1 20110119; EP 2274141 B1 20150603; FR 2930188 A1 20091023; FR 2930188 B1 20130920; JP 2011516318 A 20110526; JP 5416762 B2 20140212; RU 2010146980 A 20120527; RU 2501639 C2 20131220; US 2011049748 A1 20110303; US 8490673 B2 20130723

DOCDB simple family (application)

**EP 2009054591 W 20090417**; BR PI0910569 A 20090417; CA 2721449 A 20090417; CN 200980121601 A 20090417; EP 09732323 A 20090417; FR 0802179 A 20080418; JP 2011504476 A 20090417; RU 2010146980 A 20090417; US 98844709 A 20090417