

Title (en)

COATING COMPOUNDS FOR CASTING MOULDS AND CORES THAT PREVENT REACTION GAS DEFECTS

Title (de)

BESCHICHTUNGSMASSEN FÜR GIESSFORMEN UND KERNE ZUR VERMEIDUNG VON REAKTIONSGASFEHLERN

Title (fr)

MATIÈRES DE REVÊTEMENT POUR MOULES ET NOYAUX PERMETTANT D'ÉVITER DES ERREURS DE GAZ DE RÉACTION

Publication

EP 2142322 A1 20100113 (DE)

Application

EP 08758374 A 20080502

Priority

- EP 2008003567 W 20080502
- DE 102007020586 A 20070502

Abstract (en)

[origin: WO2008135247A1] The invention relates to a wash, at least comprising: a carrier liquid; at least one pulverulent refractory material; and at least one reductant. If a casting mould is coated with said wash, reductive conditions are created by the reductant on the boundary surface between the casting mould and the molten metal, thus suppressing gas formation and leading to a lower degree of gas entrapment in the metal. A lustrous carbon former is preferably used as the reductant.

IPC 8 full level

B22C 3/00 (2006.01)

CPC (source: EP KR US)

B22C 3/00 (2013.01 - EP KR US); **B22C 9/10** (2013.01 - KR); **B22C 9/12** (2013.01 - KR); **B22D 7/00** (2013.01 - KR); **B22D 13/102** (2013.01 - KR)

Citation (search report)

See references of WO 2008135247A1

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 MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)

DE 102007020586 A1 20081106; BR PI0811019 A2 20150127; CN 101678439 A 20100324; CN 101678439 B 20120627; EP 2142322 A1 20100113; EP 2142322 B1 20160224; ES 2567560 T3 20160425; JP 2010524696 A 20100722; JP 5557287 B2 20140723; KR 101490996 B1 20150206; KR 20100017588 A 20100216; MX 2009011690 A 20100129; PL 2142322 T3 20160831; RU 2009142872 A 20110610; RU 2493933 C2 20130927; US 2010224755 A1 20100909; WO 2008135247 A1 20081113

DOCDB simple family (application)

DE 102007020586 A 20070502; BR PI0811019 A 20080502; CN 200880018554 A 20080502; EP 08758374 A 20080502; EP 2008003567 W 20080502; ES 08758374 T 20080502; JP 2010504583 A 20080502; KR 20097025214 A 20080502; MX 2009011690 A 20080502; PL 08758374 T 20080502; RU 2009142872 A 20080502; US 59834808 A 20080502