

Title (en)  
METHOD FOR OBTAINING A FOUNDRY BODY FROM A GRANULAR MIXTURE INCLUDING A MODIFIED POLYCONDENSED RESIN AND A FORMALDEHYDE SENSOR

Title (de)  
VERFAHREN ZUR HERSTELLUNG EINES GUSSKÖRPERS AUS EINER KÖRNIGEN MISCHUNG MIT EINEM MODIFIZIERTEN POLYKONDENSIERTEN HARZ UND FORMALDEHYDSENSOR

Title (fr)  
PROCÉDÉ D'OBTENTION D'UN CORPS POUR FONDERIE À PARTIR D'UN MÉLANGE GRANULAIRE COMPRENANT UNE RÉSINE POLYCONDENSÉE MODIFIÉE ET UN CAPTEUR DE FORMALDÉHYDE

Publication  
**EP 2892670 A2 20150715 (FR)**

Application  
**EP 13774731 A 20130910**

Priority  
• FR 1258481 A 20120910  
• FR 2013052077 W 20130910

Abstract (en)  
[origin: WO2014037681A2] The invention relates to a method for manufacturing a foundry body including the preparation of a granular mixture including a polycondensed resin having modified formaldehyde, optionally incorporating an aromatic or polyaromatic during the synthesis thereof, a hardening agent, a formaldehyde sensor compound, water and optionally at least one resin selected from the group comprising tannins, natural polyphenols, and lignins, placing said granular mixture in contact with the surface of a forming tool, and insufflating a flow of gas at 50 °C to 380 °C into the granular mixture for 1 to 300 seconds, in order to ensure at least partial hardening of said mixture. The invention also relates to a method for manufacturing a moulded foundry piece made of metal or a metal alloy, which includes pouring metal into at least one body (mould and/or core) thus produced; and to a foundry piece thus manufactured.

IPC 8 full level  
**B22C 1/02** (2006.01); **B22C 1/22** (2006.01); **B22C 9/02** (2006.01); **B22C 9/12** (2006.01); **B22D 21/04** (2006.01); **C22C 21/00** (2006.01); **C22C 37/00** (2006.01); **C22C 38/00** (2006.01)

CPC (source: CN EP US)  
**B22C 1/02** (2013.01 - EP US); **B22C 1/2246** (2013.01 - CN EP US); **B22C 9/02** (2013.01 - EP US); **B22C 9/123** (2013.01 - EP US); **B22D 21/04** (2013.01 - EP US); **C22C 21/00** (2013.01 - EP US); **C22C 37/00** (2013.01 - EP US); **C22C 38/00** (2013.01 - EP US)

Citation (search report)  
See references of WO 2014037681A2

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)  
**WO 2014037681 A2 20140313**; **WO 2014037681 A3 20141113**; BR 112015004908 A2 20170704; BR 112015004908 B1 20190514; CN 104619437 A 20150513; CN 104619437 B 20170308; EA 028270 B1 20171031; EA 201590537 A1 20150630; EP 2892670 A2 20150715; EP 2892670 B1 20160907; FR 2995234 A1 20140314; FR 2995234 B1 20141219; MX 2015003016 A 20151106; MX 347364 B 20170425; PL 2892670 T3 20170428; US 10137494 B2 20181127; US 2015217365 A1 20150806

DOCDB simple family (application)  
**FR 2013052077 W 20130910**; BR 112015004908 A 20130910; CN 201380047109 A 20130910; EA 201590537 A 20130910; EP 13774731 A 20130910; FR 1258481 A 20120910; MX 2015003016 A 20130910; PL 13774731 T 20130910; US 201314426930 A 20130910