

Title (en)
PROCESS FOR PRODUCING A CAST WHEEL AND CASTING MOULD

Title (de)
VERFAHREN ZUR HERSTELLUNG EINES GUSSRADS UND GIEßWERKZEUG

Title (fr)
PROCÉDÉ DE FABRICATION D'UNE ROUE EN FONTE ET OUTIL DE COULÉE

Publication
EP 2646183 B1 20180613 (DE)

Application
EP 11794621 A 20111202

Priority
• AT 20062010 A 20101202
• AT 2011000485 W 20111202

Abstract (en)
[origin: WO2012071599A1] Process and casting mould for producing a cast wheel (2'), wherein a core (3) which remains in the cast wheel (2') and has a circumferential rim (17) is inserted into a casting mould (1) having at least one lower mould part (5) and an upper mould part (4), which are moved relative to one another to close the casting mould (1), wherein the core (3) is positioned by means of at least one positioning element (7) in a predetermined position in the casting mould (1), wherein an end region of the positioning element (7) is fixed with a force fit or frictional fit in the circumferential rim (17) of the core (3), wherein a free end region of the positioning element (7), which protrudes from the circumferential rim (17) of the core (3), is placed on a contact surface (8), which is preferably arranged substantially horizontally during operation, of the lower mould part (5) of the casting mould (1) during positioning of the core (3) in the casting mould (1), such that the core (3) is positioned in the predetermined position under the action of the force of gravity.

IPC 8 full level
B22D 15/00 (2006.01); **B22C 9/06** (2006.01); **B22C 9/10** (2006.01); **B60B 3/06** (2006.01)

CPC (source: EP US)
B22C 9/064 (2013.01 - US); **B22C 9/108** (2013.01 - US); **B22C 9/28** (2013.01 - EP US); **B22D 15/005** (2013.01 - US); **B22D 17/24** (2013.01 - EP US); **B22D 19/00** (2013.01 - US); **B22D 19/16** (2013.01 - EP US)

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

DOCDB simple family (publication)
WO 2012071599 A1 20120607; AT 510737 A1 20120615; AT 510737 B1 20130615; BR 112013013652 A2 20160906; BR 112013013652 B1 20180807; CN 103328132 A 20130925; CN 103328132 B 20151125; EP 2646183 A1 20131009; EP 2646183 B1 20180613; JP 2013544192 A 20131212; JP 5612779 B2 20141022; PL 2646183 T3 20181231; RU 2013127877 A 20150110; RU 2568552 C2 20151120; SI 2646183 T1 20181130; US 2013240168 A1 20130919; US 9180513 B2 20151110

DOCDB simple family (application)
AT 2011000485 W 20111202; AT 20062010 A 20101202; BR 112013013652 A 20111202; CN 201180058387 A 20111202; EP 11794621 A 20111202; JP 2013541146 A 20111202; PL 11794621 T 20111202; RU 2013127877 A 20111202; SI 201131574 T 20111202; US 201113990667 A 20111202