

Title (en)
SAND CASTING METHOD

Title (de)
SANDGIESSVERFAHREN

Title (fr)
PROCÉDÉ DE MOULAGE EN SABLE

Publication
EP 2977125 A1 20160127 (EN)

Application
EP 14769379 A 20140318

Priority
• JP 2013057386 A 20130319
• JP 2014057416 W 20140318

Abstract (en)
One object of the present invention is to produce a relatively thin-walled casting by a gravity casting process using a metal which has relatively poor fluidity. A sand mold includes a recess (30) formed in a main mold (12 and 14), opening to a cavity of the main mold (12 and 14) and a partial sand mold (40) configured to be detachably attachable to the recess (30). Then, partial sand mold (40) is set to a temperature of 200°C or above, and casting is carried out by installing the partial sand mold (40) with a temperature of 200°C or above in the recess (30) of the main mold.

IPC 8 full level
B22C 9/02 (2006.01); **B22C 9/10** (2006.01); **B22D 27/04** (2006.01)

CPC (source: EP)
B22C 9/02 (2013.01); **B22C 9/10** (2013.01); **B22D 27/04** (2013.01)

Cited by
CN106563772A

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)
EP 2977125 A1 20160127; **EP 2977125 A4 20160928**; **EP 2977125 B1 20171018**; JP 2014180693 A 20140929; JP 5347077 B1 20131120; WO 2014148516 A1 20140925

DOCDB simple family (application)
EP 14769379 A 20140318; JP 2013057386 A 20130319; JP 2014057416 W 20140318