

Title (en)

METHOD FOR PRODUCING A CASTING CORE FOR MANUFACTURING CYLINDER HEADS

Title (de)

VERFAHREN FÜR DIE HERSTELLUNG EINES GUSSKERNS FÜR DIE FERTIGUNG VON ZYLINDERKÖPFEN

Title (fr)

PROCÉDÉ DE FABRICATION D'UN NOYAU DE COULÉE SERVANT À LA PRODUCTION DE TÊTES DE CYLINDRE

Publication

EP 3110581 B1 20191023 (DE)

Application

EP 15703290 A 20150210

Priority

- DE 102014203699 A 20140228
- EP 2015052682 W 20150210

Abstract (en)

[origin: WO2015128180A1] The present invention relates to a method for producing a casting core (10) for manufacturing cylinder heads (100), said method comprising the following steps: - producing at least one core component (20), by a constructive method, with a contour for the formation of internal contours (110) of a first cylinder head (100), - producing at least one further core component (30), by a constructive method, with a contour for the formation of internal contours (110) of a further cylinder head (100), - producing at least one sprue core component (40) for feeding the molten mass during the casting method, - joining the two core components (20, 30) to the sprue core component (40) in an opposing orientation.

IPC 8 full level

B22C 9/02 (2006.01); **B22C 9/10** (2006.01); **B22D 15/02** (2006.01)

CPC (source: CN EP US)

B22C 9/02 (2013.01 - CN EP US); **B22C 9/082** (2013.01 - CN EP US); **B22C 9/10** (2013.01 - CN EP US); **B22C 9/103** (2013.01 - EP US); **B22C 9/108** (2013.01 - EP US); **B22C 9/22** (2013.01 - CN EP US); **B22D 15/02** (2013.01 - EP US); **B22D 25/02** (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)

DE 102014203699 A1 20150903; CN 105828975 A 20160803; CN 105828975 B 20181113; EP 3110581 A1 20170104; EP 3110581 B1 20191023; US 2016263647 A1 20160915; US 9993864 B2 20180612; WO 2015128180 A1 20150903

DOCDB simple family (application)

DE 102014203699 A 20140228; CN 201580002952 A 20150210; EP 15703290 A 20150210; EP 2015052682 W 20150210; US 201615160333 A 20160520