

Title (en)

Device for manufacturing a cylinder crank case in V design

Title (de)

Vorrichtung zur Herstellung eines Zylinderkurbelgehäuses in V-Bauform

Title (fr)

Dispositif de fabrication d'un bloc moteur agencé en V

Publication

EP 2636467 A3 20171220 (DE)

Application

EP 13152688 A 20130125

Priority

DE 102012101887 A 20120306

Abstract (en)

[origin: EP2636467A2] The device has an outer casting mold (10) that is provided with molded portions (12,14,16,18) for forming a cylinder crankcase (24). Several guides (20) are retracted into the casting mold to form cylinders. Several inner cores (32) are arranged in the mold to form a portion of a crank chamber (30). Several feeder cores (44) are arranged in the interior of the mold, after removing casting. The feeder cores are positioned between the guides at the side facing the crank chamber.

IPC 8 full level

B22D 15/02 (2006.01); **B22C 9/08** (2006.01); **B22C 9/10** (2006.01); **B22D 17/24** (2006.01)

CPC (source: EP)

B22C 9/088 (2013.01); **B22C 9/108** (2013.01); **B22D 15/02** (2013.01); **B22D 17/24** (2013.01)

Citation (search report)

[AD] DE 102009058730 A1 20110622 - BAYERISCHE MOTOREN WERKE AG [DE]

Cited by

CN106270400A; CN114147182A

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 2636467 A2 20130911; **EP 2636467 A3 20171220**; **EP 2636467 B1 20191002**; DE 102012101887 A1 20130912;
DE 102012101887 B4 20180419; ES 2762161 T3 20200522; ES 2762161 T8 20200805; PL 2636467 T3 20200430

DOCDB simple family (application)

EP 13152688 A 20130125; DE 102012101887 A 20120306; ES 13152688 T 20130125; PL 13152688 T 20130125