

Title (en)

Device and core for manufacturing a cylinder crank case

Title (de)

Vorrichtung und Sandkern zur Herstellung eines Zylinderkurbelgehäuses

Title (fr)

Dispositif et noyautage en sable pour fabriquer un bloc moteur

Publication

EP 1952914 A3 20091111 (DE)

Application

EP 07022822 A 20071124

Priority

DE 102007004050 A 20070122

Abstract (en)

[origin: EP1952914A2] The crankcase-producing device is composed of fixed and movable half-molds forming a casting cavity (14, 21). The core (1) has apertures into which the holding projections (5, 6, 7, 8, 9, 10, 11, 12) on the mold parts extend, so that the core is fixed in position, thus forming the core for the water jacket of the crankcase.

IPC 8 full level

B22D 17/24 (2006.01); **B22C 9/00** (2006.01); **B22C 9/10** (2006.01); **B22D 18/02** (2006.01); **B22D 18/04** (2006.01)

CPC (source: EP)

B22C 9/105 (2013.01); **B22C 9/108** (2013.01); **B22D 17/24** (2013.01); **B22D 18/02** (2013.01); **B22D 18/04** (2013.01)

Citation (search report)

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- [DA] DE 19752518 A1 19990602 - KS ALUMINIUM TECHNOLOGIE AG [DE]
- [A] US 6415848 B1 20020709 - KOMAZAKI TORU [JP], et al
- [A] JP H0655251 A 19940301 - NISSAN MOTOR, et al
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CN107199312A; CN110548856A; CN102179476A; CN113547086A; CN114799075A; WO2022084010A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

EP 1952914 A2 20080806; **EP 1952914 A3 20091111**; **EP 1952914 B1 20120222**; AT E546245 T1 20120315; DE 102007004050 A1 20080731; DE 102007004050 B4 20100318

DOCDB simple family (application)

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