

Title (en)
Device for manufacturing a cylinder crankcase

Title (de)
Vorrichtung zur Herstellung eines Zylinderkurbelgehäuses

Title (fr)
Dispositif de fabrication d'un bloc moteur

Publication
EP 2636468 B1 20210623 (DE)

Application
EP 13152983 A 20130129

Priority
DE 102012101893 A 20120306

Abstract (en)
[origin: EP2636468A2] Apparatus comprises a casting mold (12) having a multiple of molded parts (14, 15, 16), at least one water jacket core (22) arranged on two longitudinal sides (24) of at least one mold part (20) forming a row of cylinders, and at least one web core, which is inserted into the casting mold and aligned with the casting mold, where the web core is arranged between the individual cylinders of the mold part forming the row of cylinders.

IPC 8 full level
B22D 19/00 (2006.01); **F02F 1/10** (2006.01)

CPC (source: EP)
B22C 9/103 (2013.01); **B22C 9/22** (2013.01); **B22D 19/0009** (2013.01); **F02F 1/108** (2013.01)

Citation (opposition)
Opponent : Nemak Europe GmbH
• EP 0197365 A2 19861015 - HALBERGERHUETTE GMBH [DE]
• EP 0974414 A1 20000126 - VAW ALUCAST GMBH [DE]
• DE 10330520 A1 20040916 - KS ALUMINIUM TECHNOLOGIE AG [DE]
• US 5217059 A 19930608 - KUHN JOHN W [US], et al
• DE 10033271 A1 20010125 - FORD GLOBAL TECH INC [US]
• LELLIG KLAUS, ET AL: "Neue Leichtbaukonzepte in Motorenkonstruktion und -bau: Antworten auf die veränderten Herausforderungen im modernen Fahrzeugbau", 31. INTERNATIONALES WIENER MOTORENSYMPOSIUM 2010, 1 April 2010 (2010-04-01), pages 213 - 231, XP055906955
• KUBE D, SPEICHER M.: "Fertigungstechnologien zur Großserienproduktion von Zylinderkurbelgehäusen aus Aluminium ", FERTIGUNGSTECHNISCHEN KOLLOQUIUM 10-11 SEPTEMBER 2008 STUTTGART, 1 January 2008 (2008-01-01), pages 265 - 276, XP055906957

Cited by
AT520849A1; AT520849B1; AT525313A1; AT525313B1

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)
EP 2636468 A2 20130911; **EP 2636468 A3 20180103**; **EP 2636468 B1 20210623**; DE 102012101893 A1 20130912;
DE 102012101893 B4 20160331; DE 102012101893 C5 20220623

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