

Title (en)
Lower casing of engine crankcase

Title (de)
Unterteil eines Kurbelgehäuses einer Brennkraftmaschine

Title (fr)
Bâtiment-moteur inférieur

Publication
EP 1482157 B1 20080402 (EN)

Application
EP 04253155 A 20040528

Priority
JP 2003150391 A 20030528

Abstract (en)
[origin: EP1482157A1] The casing has a cast-iron supporting part (17) formed with a semicircular supporting recess (15) on its top surface (16) for a crankshaft to be fitted in at a lower half of its journal (4). The part is built in aluminum cross unit body. A side unit, the surface, and the body are formed together through aluminum casting by using the part as an insert unit. A notch (23) is formed at a lower end of the part below the recess. An independent claim is also included for a mold for use in casting a lower casing.

IPC 8 full level
B22D 19/00 (2006.01); **B22D 19/08** (2006.01); **F02F 7/00** (2006.01)

CPC (source: EP GB)
B22D 19/00 (2013.01 - EP GB); **F02F 7/0007** (2013.01 - EP GB); **F02F 7/0053** (2013.01 - EP GB); **F05C 2201/021** (2013.01 - EP); **F05C 2201/0439** (2013.01 - EP)

Cited by
US10598123B2

Designated contracting state (EPC)
DE GB

DOCDB simple family (publication)
EP 1482157 A1 20041201; **EP 1482157 B1 20080402**; CN 100567722 C 20091209; CN 1573065 A 20050202; DE 602004012795 D1 20080515; DE 602004012795 T2 20090430; EP 1911956 A2 20080416; EP 1911956 A3 20120926; GB 0412047 D0 20040630; GB 2402171 A 20041201; GB 2402171 B 20060906; JP 2004353511 A 20041216; MY 136806 A 20081128

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EP 04253155 A 20040528; CN 200410048803 A 20040528; DE 602004012795 T 20040528; EP 08001889 A 20040528; GB 0412047 A 20040528; JP 2003150391 A 20030528; MY PI20042029 A 20040527