

Title (en)

Casting core for the cooling jacket of the the crankcase of an internal combustion engine

Title (de)

Gusskern für den Kühlmantel eines Kurbelgehäuses einer Brennkraftmaschine

Title (fr)

Noyau de coulée pour la chambre de refroidissement du carter de vilebrequin d'un moteur à combustion interne

Publication

**EP 1240959 A3 20030205 (DE)**

Application

**EP 02004816 A 20020302**

Priority

DE 10112135 A 20010314

Abstract (en)

[origin: EP1240959A2] The casting core (1) comprises six cylinders (2,2') which form two cylinder rows (10,10') in a V-arrangement. The core supports (3,3') are formed on the ring channels (9,9') of each cylinder row, and are connected to each other by a bridge (4,4'). An axial core support (5) is formed on the main channel between the cylinder rows. The bridge is located outside the crankcase.

IPC 1-7

**B22D 17/24**; **B22D 19/00**; **B22C 9/00**; **B22C 9/10**

IPC 8 full level

**B22C 9/10** (2006.01); **B22C 21/14** (2006.01); **B22D 17/24** (2006.01); **F02B 75/22** (2006.01); **F02B 75/18** (2006.01)

CPC (source: EP)

**B22C 9/108** (2013.01); **B22C 21/14** (2013.01); **B22D 17/24** (2013.01); **F02B 75/22** (2013.01); **F02B 2075/1824** (2013.01)

Citation (search report)

- [X] EP 0585136 A1 19940302 - RYOBI LTD [JP]
- [YD] EP 0788855 A1 19970813 - RYOBI LTD [JP]
- [Y] EP 0597050 A1 19940518 - DOEHLER JARVIS LP [US]
- [X] PATENT ABSTRACTS OF JAPAN vol. 2000, no. 17 5 June 2001 (2001-06-05)

Cited by

US10099277B2

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

**EP 1240959 A2 20020918**; **EP 1240959 A3 20030205**; DE 10112135 A1 20021002

DOCDB simple family (application)

**EP 02004816 A 20020302**; DE 10112135 A 20010314