

Title (en)

Method for grain refinement of magnesium alloy castings

Title (de)

Verfahren zur Kornfeinung von Magnesium-Legierungs-Gussteilen

Title (fr)

Procédé d'affinage du grain de coulées en alliage de magnésium

Publication

EP 1471156 A1 20041027 (EN)

Application

EP 04252380 A 20040423

Priority

JP 2003122730 A 20030425

Abstract (en)

Grain refinement of magnesium alloy casting involves adding graphite powder and manganese dioxide (preferably 0.1 - 0.22 mass%, especially 0.2 - 0.22 mass%) to a melt of magnesium alloy containing aluminum and manganese. The graphite powder and the manganese dioxide are accommodated in a metallic capsule.

IPC 1-7

C22C 1/00; **C22C 1/02**; **C22B 9/10**; **C22C 23/02**

IPC 8 full level

C22B 9/10 (2006.01); **C22B 26/22** (2006.01); **C22C 1/02** (2006.01); **C22C 1/03** (2006.01); **C22C 23/02** (2006.01)

CPC (source: EP US)

C22B 9/103 (2013.01 - EP US); **C22B 26/22** (2013.01 - EP US); **C22C 1/02** (2013.01 - EP US); **C22C 1/03** (2013.01 - EP US); **C22C 23/02** (2013.01 - EP US)

Citation (search report)

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Designated contracting state (EPC)

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DOCDB simple family (publication)

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