

Title (en)

Reinforced foundry cores for metal casting, method and use

Title (de)

Verstärkte Formkerne für den Metallguss, Herstellung und Verwendung

Title (fr)

Noyau renforcé pour la coulée de métaux, procédé de fabrication et son utilisation

Publication

EP 1500446 A3 20050928 (DE)

Application

EP 04016388 A 20040713

Priority

DE 10332904 A 20030721

Abstract (en)

[origin: EP1500446A2] Molding core comprises a metallic reinforcing element partially or completely separated from the surrounding core by a gap or by a pyrolyzable organic material. An independent claim is also included for a process for the production of a molding core using a primary mold.

IPC 1-7

B22C 21/14; **B22C 9/10**; **B22C 7/06**

IPC 8 full level

B22C 7/06 (2006.01); **B22C 9/10** (2006.01)

CPC (source: EP US)

B22C 7/06 (2013.01 - EP US); **B22C 9/106** (2013.01 - EP US); **B22C 21/14** (2013.01 - EP US)

Citation (search report)

- [XY] DE 186179 C
- [XY] US 3126595 A 19640331
- [Y] EP 1122227 A2 20010808 - GEN ELECTRIC [US]
- [Y] EP 0739666 A1 19961030 - GEN MOTORS CORP [US]
- [Y] FR 890809 A 19440218 - MAIZENA WERKE A G DEUTSCHE
- [Y] GB 362090 A 19311203
- [X] WO 8600032 A1 19860103 - MIKROVAOGSAPPLIKATION AB [SE]
- [A] FR 2707901 A1 19950127 - PEUGEOT [FR], et al
- [A] US 4352387 A 19821005 - YAMAGUCHI SHINJIRO

Cited by

DE102018130181A1; DE102005031212A1; DE102005031212B4

Designated contracting state (EPC)

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

DOCDB simple family (publication)

EP 1500446 A2 20050126; **EP 1500446 A3 20050928**; DE 10332904 B3 20041223; US 2005199365 A1 20050915; US 7284589 B2 20071023

DOCDB simple family (application)

EP 04016388 A 20040713; DE 10332904 A 20030721; US 89578104 A 20040721