

Title (en)

Process of manufacturing compacted graphite cast iron

Title (de)

Verfahren zum Herstellen von Kompaktgraphit aufweisendem Gusseisen

Title (fr)

Procédé de production de fonte de fer à graphite compactée

Publication

**EP 1676929 B2 20120801 (DE)**

Application

**EP 05017261 A 20050809**

Priority

DE 102004054858 A 20041112

Abstract (en)

[origin: EP1676929A1] Production of cast iron made from compact graphite comprises adding a pre-conditioning agent containing a rare earth metal to a cast iron melt during casting, in which the added amount of rare earth metal is measured depending on the amount of sulfur contained in the amount of cast iron melt.

IPC 8 full level

**C21C 1/10** (2006.01)

CPC (source: EP)

**C21C 1/10** (2013.01); **C21C 1/105** (2013.01); **C22C 37/00** (2013.01); **C22C 38/002** (2013.01); **C22C 38/005** (2013.01)

Citation (opposition)

Opponent :

- US 4874576 A 19891017 - REIFFERSCHIED KARL J [DE]
- Warrick, R. J. et al., "Development and Application of Enhanced Compacted Graphite Iron for the Bedplate of the New Chrysler 4.7 Liter V-8 Engine" SAE Paper 1999-01-0325, pages 1 -9

Designated contracting state (EPC)

AT DE

DOCDB simple family (publication)

**EP 1676929 A1 20060705**; **EP 1676929 B1 20081015**; **EP 1676929 B2 20120801**; AT E411402 T1 20081015; DE 502005005681 D1 20081127

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