

Title (en)

PROCESS FOR PRODUCTION OF COMPACTED GRAPHITE IRON

Title (de)

VERFAHREN ZUR HERSTELLUNG VON KOMPAKTIERTEM GRAPHITEISEN

Title (fr)

PROCEDE DE FABRICATION DE FER GRAPHITIQUE COMPACTE

Publication

**EP 1974062 A1 20081001 (EN)**

Application

**EP 06835848 A 20061214**

Priority

- SE 2006001424 W 20061214
- SE 0502817 A 20051220

Abstract (en)

[origin: WO2007073280A1] A process for production of compacted graphite iron using in-mould addition of a magnesium alloy is disclosed. The process is characterised by a step of pre-treating the base iron in a ladle or in a furnace with an alloy containing cerium and performing a structure forming treatment in a reaction chamber in the mould using an alloy containing magnesium and lanthanum.

IPC 8 full level

**C21C 1/08** (2006.01); **C21C 1/10** (2006.01); **C22C 33/08** (2006.01); **C22C 37/00** (2006.01)

CPC (source: EP KR SE US)

**B22D 27/20** (2013.01 - EP KR US); **C21C 1/08** (2013.01 - EP KR SE US); **C21C 1/105** (2013.01 - EP KR US); **C22C 33/08** (2013.01 - SE); **C22C 37/00** (2013.01 - SE); **C22C 37/10** (2013.01 - EP KR US)

Citation (search report)

See references of WO 2007073280A1

Cited by

CN105785882A

Designated contracting state (EPC)

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

DOCDB simple family (publication)

**WO 2007073280 A1 20070628**; BR PI0620077 A2 20111101; CN 101341262 A 20090107; CN 101341262 B 20101229; EP 1974062 A1 20081001; EP 1974062 B1 20130123; KR 20080089577 A 20081007; MX 2008007968 A 20080926; SE 0502817 L 20070621; SE 529445 C2 20070814; US 2009183848 A1 20090723; US 2012090803 A1 20120419

DOCDB simple family (application)

**SE 2006001424 W 20061214**; BR PI0620077 A 20061214; CN 200680048105 A 20061214; EP 06835848 A 20061214; KR 20087015971 A 20080630; MX 2008007968 A 20061214; SE 0502817 A 20051220; US 201113329561 A 20111219; US 8663706 A 20061214