

Title (en)
CGI CAST IRON AND A PRODUCTION METHOD FOR THE SAME

Title (de)
CGI-GUSSEISEN UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)
FONTE CGI ET SON PROCÉDÉ DE FABRICATION

Publication
EP 2518174 A2 20121031 (EN)

Application
EP 10839697 A 20101208

Priority
• KR 20090128817 A 20091222
• KR 2010008730 W 20101208

Abstract (en)
The present invention relates to cast iron, and more particularly, to a compacted graphite iron (CGI) cast iron having an improved casting property, stable tensile strength and yield strength, and hardness in an appropriate range, by being produced with the amounts of carbon (C), silicon (Si), manganese (Mn), copper (Cu), tin (Sn), and magnesium (Mg) controlled, and a production method thereof.

IPC 8 full level
C22C 37/10 (2006.01)

CPC (source: EP KR US)
C21C 1/08 (2013.01 - EP US); **C21C 7/0006** (2013.01 - EP US); **C22C 33/08** (2013.01 - EP US); **C22C 37/10** (2013.01 - EP KR US)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
EP 2518174 A2 20121031; **EP 2518174 A4 20140507**; **EP 2518174 B1 20150722**; CN 102666896 A 20120912; CN 102666896 B 20141029; CN 103938067 A 20140723; CN 103938067 B 20170728; KR 101605905 B1 20160323; KR 20110072048 A 20110629; US 2012301346 A1 20121129; WO 2011078500 A2 20110630; WO 2011078500 A3 20111110

DOCDB simple family (application)
EP 10839697 A 20101208; CN 201080058709 A 20101208; CN 201410188450 A 20101208; KR 20090128817 A 20091222; KR 2010008730 W 20101208; US 201013518516 A 20101208