

Title (en)
Heat-resistant cast iron with spheroidal graphite or with vermicular graphite

Title (de)
Warmfestes Gusseisen mit Kugelgraphit oder mit Vermikulargraphit

Title (fr)
Fonte à graphite sphéroïdal ou vermiculaire résistant à la chaleur

Publication
EP 0534850 B1 19960807 (FR)

Application
EP 92402617 A 19920924

Priority
FR 9111875 A 19910926

Abstract (en)
[origin: EP0534850A1] Heat-resistant cast iron containing spheroidal or vermicular graphite. <?>To make the cast iron resistant to temperatures from 900 DEG C to more than 1000 DEG C while reducing the cost of production, the cast iron is characterised in that it contains from 4.7 % to 7.1 % by weight of Si equivalent (Sieq), Sieq being defined as Si + 0.8Al, in which the weight content of Si is between 3.9 % and 5.3 % and the content of Al is between 0.5 % and 2.5 %.

IPC 1-7
C22C 37/10

IPC 8 full level
C22C 37/10 (2006.01)

CPC (source: EP US)
C22C 37/10 (2013.01 - EP US)

Cited by
EP2924138A1; EP0892078A1; CN102094147A; CN101967599A; FR2961725A1; EP1386976A1; DE10233732A1; CN110284051A

Designated contracting state (EPC)
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DOCDB simple family (publication)
EP 0534850 A1 19930331; EP 0534850 B1 19960807; CA 2078737 A1 19930327; CA 2078737 C 19951212; DE 69212628 D1 19960912; DE 69212628 T2 19970102; ES 2090547 T3 19961016; FR 2681878 A1 19930402; FR 2681878 B1 19931231; US 5236660 A 19930817

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EP 92402617 A 19920924; CA 2078737 A 19920921; DE 69212628 T 19920924; ES 92402617 T 19920924; FR 9111875 A 19910926; US 94857292 A 19920923