

Title (en)

METHOD FOR PRODUCING SPHEROIDAL GRAPHITE CAST IRON

Title (de)

VERFAHREN ZUR HERSTELLUNG VON KUGELGRAPHIT-GUSSEISEN

Title (fr)

PROCEDE DE PRODUCTION DE FONTE A GRAPHITE SPHEROIDAL

Publication

EP 1283913 B1 20060301 (DE)

Application

EP 01927562 A 20010516

Priority

- CH 0100303 W 20010516
- DE 10025940 A 20000526

Abstract (en)

[origin: WO0190425A1] The invention relates to a method for producing high-purity spheroidal graphite cast iron. The inventive method comprises at least the steps of pretreating the melt in a closed converter and adding an inoculant when casting it into the mold. The solubility of the substances formed during the pretreatment and during the addition of the inoculant can be adjusted. The nucleation in the melt and the solidification in the mold can be brought into conformity by coordinating the pretreatment and the addition of inoculant.

IPC 8 full level

C21C 1/10 (2006.01)

CPC (source: EP US)

C21C 1/10 (2013.01 - EP US)

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

WO 0190425 A1 20011129; AT E318936 T1 20060315; AU 5458901 A 20011203; DE 10025940 A1 20011129; DE 50109075 D1 20060427; DK 1283913 T3 20060626; EP 1283913 A1 20030219; EP 1283913 B1 20060301; ES 2258524 T3 20060901; PT 1283913 E 20060531; US 2004025980 A1 20040212

DOCDB simple family (application)

CH 0100303 W 20010516; AT 01927562 T 20010516; AU 5458901 A 20010516; DE 10025940 A 20000526; DE 50109075 T 20010516; DK 01927562 T 20010516; EP 01927562 A 20010516; ES 01927562 T 20010516; PT 01927562 T 20010516; US 29688803 A 20030718