

Title (en)
Process for the desulfurization of pig iron.

Title (de)
Verfahren zur Entschwefelung von Roheisen.

Title (fr)
Procédé de désulfuration des fontes.

Publication
EP 0342132 A1 19891115 (FR)

Application
EP 89420132 A 19890412

Priority
FR 8804927 A 19880414

Abstract (en)
Process relating to the desulphurisation of the pig iron produced by a blast furnace before conversion into steel. <??>In this process in a first stage the pig iron is treated with a desulphurising compound such as Na₂CO₃ and there is then introduced into the pig iron a composite product (1) of great length with a tubular enclosure, comprising an axial region (2) in which magnesium is housed in pulverulent or granular form, and an annular region (6) separated from the axial region by an intermediate wall (3), in which a pulverulent or granular material is housed. An injection of an inert gas and a declinking are then optionally carried out. <IMAGE>

IPC 1-7
C21C 1/02

IPC 8 full level
C21C 1/02 (2006.01); **C21C 7/00** (2006.01)

CPC (source: EP KR US)
C21C 1/00 (2013.01 - KR); **C21C 1/02** (2013.01 - EP US); **C21C 7/0056** (2013.01 - EP US)

Citation (search report)

- [A] DE 829802 C 19520128 - ALOYS WUESTEFELD DR
- [A] EP 0263255 A1 19880413 - ARBED [LU]
- [AD] FACHBERICHTE HÜTTENPRAXIS METALLWEITERVERARBEITUNG, vol. 23, no. 8, août 1985, pages 594-598, Coburg, DE; R. PIEPENBROCK et al.: "Desulfurizing pig iron with magnesium-cored wire"
- [A] PATENT ABSTRACTS OF JAPAN, vol. 2, no. 15, 31 janvier 1978, page 3960 C 77; & JP-A-52 116 714 (HITACHI DENSEN K.K.) 30-09-1977

Designated contracting state (EPC)
AT BE CH DE ES GB GR IT LI LU NL SE

DOCDB simple family (publication)
EP 0342132 A1 19891115; BR 8901759 A 19891128; CN 1037543 A 19891129; FR 2630131 A1 19891020; FR 2630131 B1 19900803; JP H01309913 A 19891214; KR 890016187 A 19891128; US 4956010 A 19900911; ZA 892750 B 19901228

DOCDB simple family (application)
EP 89420132 A 19890412; BR 8901759 A 19890413; CN 89102275 A 19890414; FR 8804927 A 19880414; JP 9506989 A 19890414; KR 890005070 A 19890414; US 33686089 A 19890412; ZA 892750 A 19890414