

Title (en)

CORED WIRE CONTAINING A PASSIVATED PYROPHORIC METAL AND ITS APPLICATION

Publication

EP 0546351 A3 19931229 (DE)

Application

EP 92119560 A 19921116

Priority

DE 4138231 A 19911121

Abstract (en)

[origin: US5264023A] The invention concerns a cored wire comprising a metal tube and a filling of magnesium or other pyrophoric metals passivated with from 0.5 to 5% by weight of organic nitrogen compounds. As the passivating agent, compounds from the series of the s-triazine and/or guanidine derivatives, preferably from 2 to 5% by weight of dicyandiamide, applied by means of an adhesion promoter, are preferred. The wires used in accordance with the invention serve to produce cast iron with spheroidal and vermicular graphite, to desulphurize pig iron melts or to produce metal alloys.

IPC 1-7

C21C 7/00; **C21C 1/02**; **C21C 1/10**

IPC 8 full level

C21C 1/02 (2006.01); **C21C 1/10** (2006.01); **C21C 7/00** (2006.01); **C21C 7/06** (2006.01)

CPC (source: EP US)

C21C 1/025 (2013.01 - EP US); **C21C 7/0056** (2013.01 - EP US); **C21C 7/06** (2013.01 - EP US)

Citation (search report)

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Designated contracting state (EPC)

AT DE DK ES FR GB IT NL

DOCDB simple family (publication)

US 5264023 A 19931123; AT E146822 T1 19970115; DE 4138231 C1 19921022; DE 59207767 D1 19970206; EP 0546351 A2 19930616; EP 0546351 A3 19931229; EP 0546351 B1 19961227; JP H05222427 A 19930831; TR 26635 A 19950315

DOCDB simple family (application)

US 97921892 A 19921120; AT 92119560 T 19921116; DE 4138231 A 19911121; DE 59207767 T 19921116; EP 92119560 A 19921116; JP 31185592 A 19921120; TR 113092 A 19921120