

Title (en)

DIRECT CURRENT ARC FURNACE

Publication

**EP 0413970 B1 19930915 (DE)**

Application

**EP 90113995 A 19900721**

Priority

CH 302789 A 19890821

Abstract (en)

[origin: EP0413970A1] In a direct current arc furnace, the base contact, that is to say the furnace electrode (7, 8, 11), must be insulated by insulating material from the metallic jacket of the furnace vessel. To this end, the baseplate (11) which supports the base contact essentially forms the base of the furnace vessel. This baseplate (11) rests on an inwardly projecting part (17) of the metallic vessel jacket (2), with insulating, or at least poorly electrically conductive material (18) placed between them. <IMAGE>

IPC 1-7

**F27D 11/08**; **H05B 7/06**

IPC 8 full level

**F27B 3/08** (2006.01); **F27B 3/14** (2006.01); **F27D 11/08** (2006.01); **H05B 7/06** (2006.01)

CPC (source: EP KR)

**F27D 11/08** (2013.01 - EP); **H05B 7/00** (2013.01 - KR); **H05B 7/06** (2013.01 - EP)

Designated contracting state (EPC)

AT BE CH DE ES FR GB IT LI NL SE

DOCDB simple family (publication)

**EP 0413970 A1 19910227**; **EP 0413970 B1 19930915**; AT E94716 T1 19931015; BR 9004099 A 19910903; CA 2023041 A1 19910222; CH 678785 A5 19911031; CN 1019141 B 19921118; CN 1049714 A 19910306; DE 59002718 D1 19931021; ES 2046611 T3 19940201; JP H0395387 A 19910419; JP H0762585 B2 19950705; KR 0172120 B1 19990501; KR 910005727 A 19910330; RU 1784089 C 19921223; ZA 906533 B 19910731

DOCDB simple family (application)

**EP 90113995 A 19900721**; AT 90113995 T 19900721; BR 9004099 A 19900820; CA 2023041 A 19900809; CH 302789 A 19890821; CN 90107301 A 19900821; DE 59002718 T 19900721; ES 90113995 T 19900721; JP 21827490 A 19900821; KR 900012879 A 19900821; SU 4831032 A 19900820; ZA 906533 A 19900817