

Title (en)

BOTTOM ELECTRODE FOR A DIRECT CURRENT ARC FURNACE

Publication

**EP 0133926 B1 19870506 (DE)**

Application

**EP 84108020 A 19840709**

Priority

CH 413483 A 19830728

Abstract (en)

[origin: EP0133926A1] 1. Electric furnace, in particular a direct-current arc furnace for melting metals, with at least one bottom electrode (7a, b, c, d) which is cooled on its side facing away from the interior of the furnace vessel, characterized in that the ratio of the cross-section of the bottom electrode (7a, b, c, d) in the furnace vessel bottom (4) to the cross-section in the furnace hearth area (16) is selected to be greater than 1.4 : 1, preferably 2 : 1.

IPC 1-7

**F27D 11/10**; **H05B 7/06**

IPC 8 full level

**F27D 11/10** (2006.01); **H05B 7/06** (2006.01)

CPC (source: EP)

**F27D 11/10** (2013.01); **H05B 7/06** (2013.01)

Cited by

DE3535690A1; DE3535692A1; CN106091702A; EP0133652B1; EP0133931B1

Designated contracting state (EPC)

AT CH DE FR GB IT LI SE

DOCDB simple family (publication)

**EP 0133926 A1 19850313**; **EP 0133926 B1 19870506**; AT E27059 T1 19870515; DE 3463568 D1 19870611; IN 163928 B 19881210

DOCDB simple family (application)

**EP 84108020 A 19840709**; AT 84108020 T 19840709; DE 3463568 T 19840709; IN 72MA1985 A 19850128