

Title (en)

Furnace and method for electroslag refining

Title (de)

Ofen und Verfahren zum Elektroschlackeumschmelzen

Title (fr)

Four et procédé de refusion sous laitier électroconducteur

Publication

EP 2677046 B1 20180314 (DE)

Application

EP 13170502 A 20130604

Priority

DE 102012210281 A 20120619

Abstract (en)

[origin: EP2677046A1] The furnace (37) has a base frame (38) comprising supports (39) that bear a furnace head (41). An electrode is arranged at the furnace head such that the electrode is melted in a crucible arranged below the furnace head. A transformer (42) is fixedly arranged at the furnace head and supplies electric power for melting the electrode. The supports are formed in a column-shape to form a bearing plane (40) of the furnace head together with horizontal bearings. A contact device (44) is arranged at the furnace head for transmitting the electric power to the electrode. An independent claim is also included for a method for electroslag remelting.

IPC 8 full level

C22B 9/18 (2006.01)

CPC (source: EP US)

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DOCDB simple family (publication)

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