

Title (en)

ROLL HEARTH FURNACE FOR HEATING SLABS, INGOTS, BILLETS, METAL SHEETS AND SIMILAR MATERIALS

Publication

**EP 0331937 B1 19910904 (DE)**

Application

**EP 89102655 A 19890216**

Priority

DE 3807240 A 19880305

Abstract (en)

[origin: EP0331937A1] The chamber of the furnace is designed with a longitudinally continuous roll bed. The furnace (10) has a hot upper furnace chamber (11), a lower furnace chamber (12) and in between a hearth floor (13) with openings (14). The roll bed is mounted essentially in the lower furnace chamber (12) below the hearth floor (13) and projects only with small sections of its furnace rolls (17) through the openings (14) of the hearth floor (13) above the level (N) of the latter. At least the roll sections, projecting into the hot zone, having the running surface (19), on which the materials to be heated (20) are transported, consist of particularly heat-resistant material which, assembled from segments to form a ring (18), surrounds the furnace rolls (17) on the circumferential surface. Cleaning devices (23, 24, 25) free the running surfaces (19) of the furnace rolls (17) of disturbing scale caking. <IMAGE>

IPC 1-7

**F27B 9/24; F27D 3/02; F27D 23/02**

IPC 8 full level

**F27B 9/24** (2006.01); **F27D 3/02** (2006.01); **F27D 23/02** (2006.01); **F27D 25/00** (2010.01)

CPC (source: EP)

**F27B 9/2407** (2013.01); **F27D 3/026** (2013.01); **F27D 25/001** (2013.01)

Cited by

CN103322824A

Designated contracting state (EPC)

AT BE DE ES FR GB SE

DOCDB simple family (publication)

**EP 0331937 A1 19890913; EP 0331937 B1 19910904**; AT E67025 T1 19910915; DD 279297 A5 19900530; DE 3807240 C1 19890601; DE 58900247 D1 19911010; ES 2026706 T3 19920501

DOCDB simple family (application)

**EP 89102655 A 19890216**; AT 89102655 T 19890216; DD 32614189 A 19890301; DE 3807240 A 19880305; DE 58900247 T 19890216; ES 89102655 T 19890216