

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)

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