

Title (en)
SMELT FURNACE

Publication
EP 0213116 B1 19910123 (DE)

Application
EP 86890235 A 19860821

Priority
AT 251185 A 19850828

Abstract (en)
[origin: US4697792A] A melting furnace has a drum rotating in operating position about an approximately horizontally arranged axis of rotation and being provided within the area of the rear end with a burner and with a discharge opening and comprising within the area of the opposite front end an opening for charging and for extracting combustion gas, the latter opening being provided with a pressure head lid being movable between a closed position and an opened position and maintaining in the closed position an annular gap for the escape of the effluent gases. That end of the drum, which has the opening for charging, is conically shaped and extends into an effluent gas chamber which is connected with a stack via an effluent gas pipe. The drum is swivellably supported within a supporting bed for swivelling movement around an approximately horizontal axis intersecting the axis of rotation and is guided by guide rolls, so that it is possible to give the axis of rotation an inclined position in both directions. In the one swivelled position, the melt is discharged via the discharge opening, and in the other swivelled position, melt residues are discharged via the charging opening.

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