

Title (en)

HOLDING AND/OR MELTING FURNACE WITH A METERING DISTRIBUTOR FOR NON FERROUS METALS

Publication

EP 0153440 B1 19880511 (DE)

Application

EP 84107319 A 19840620

Priority

DE 3406467 A 19840223

Abstract (en)

[origin: US4741514A] PCT No. PCT/EP84/00192 Sec. 371 Date Oct. 4, 1985 Sec. 102(e) Date Oct. 4, 1985 PCT Filed Jun. 20, 1984 PCT Pub. No. WO85/03656 PCT Pub. Date Aug. 29, 1985. A holding and/or smelting furnace for nonferrous metals is described, which is provided with an apportioning device for the automatic removal of a predetermined quantity of the nonferrous molten metal melt from an apportioning chamber. The apportioning chamber communicates via at least one inlet opening with the nonferrous molten metal melt. The nonferrous molten metal melt in the apportioning chamber is acted upon by compressed gas in order to discharge a predetermined quantity of the molten metal melt from an outlet opening. In order to attain a structurally simple design, the apportioning chamber is disposed integrally in the furnace and embodies a portion of a furnace shell. The inlet opening is closable by means of a reciprocable closure plunger through which a pressurized medium passes into the apportioning chamber. The reciprocating movement of the closure plunger and the delivery of the compressed gas are controlled as a function of time.

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