

Title (en)
CASTING CHANNEL WITH INDUCTION HEATING

Publication
EP 0103220 B1 19860416 (FR)

Application
EP 83108361 A 19830825

Priority
FR 8215556 A 19820913

Abstract (en)
[origin: ES8404217A1] A fusing furnace casting channel 13 is surrounded by an induction heating coil 17 embedded in a refractory lining 12. A graphite sleeve 20 having a refractory inner coating 16 defines the casting channel. The sleeve serves as a permanent, single turn secondary winding such that the channel may be preheated even when no molten metal is present in the channel, which would ordinarily act as the secondary winding or core. This enables the casting channel to be maintained at a high temperature between successive casting operations.

IPC 1-7
B22D 35/06; **H05B 6/02**

IPC 8 full level
B22D 35/06 (2006.01); **H05B 6/02** (2006.01); **F27D 11/06** (2006.01)

CPC (source: EP US)
B22D 35/06 (2013.01 - EP US); **H05B 6/108** (2013.01 - EP US)

Cited by
US5022150A; FR2670697A1; DE19829191A1; EP0503237A1; FR2720591A1; US5799718A; FR2701225A1; US5708257A; FR2727883A1; US5853605A; WO9617703A1; WO9522240A1; WO9417938A1; US8056608B2; KR101256720B1

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