

Title (en)

Installation for the liquid metal transportation in the casthouse of a shaft furnace and process for handling this installation

Title (de)

Vorrichtung zum Flüssigmetall-Transport in der Giesshalle eines Schachtofens und Verfahren zum Betrieb dieser Vorrichtung

Title (fr)

Installation pour le transport de métal liquide dans la halle de coulée d'un four à cuve et procédé pour le service de cette installation

Publication

EP 0760395 B1 20011114 (DE)

Application

EP 96107534 A 19960511

Priority

DE 19532040 A 19950831

Abstract (en)

[origin: EP0760395A1] Equipment for molten metal handling in the casting area of a blast furnace, comprising at least one main channel (2) with syphon (11) installed at a tap hole (1<.>2), together with run-out channels (12) and a transfer station for molten metal ladles or cars. A flanged pipe (3) between the tap hole (1<.>2) and the main channel (2) has connections (3<.>1, 3<.>2) for a drilling machine (4) and a hole stopping machine (5), and an inert gas feed (7) and a slide gate (6) with ceramic plate is arranged between the flanged pipe (3) and the inlet (2<.>1) of the main channel (2). The main channel (2) with syphon (11) is sealed gastight by a cover (9) with flap (8). The outlet (2<.>2) of the main channel (2) has a slide gate with ceramic plate and at least one metal run-out pipe (12) terminating in a T-branch (13) and pipe bends (14), with slide gates (6) with ceramic plates between T-branch (13) and pipe bends (14). A method of operating the equipment is also claimed.

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