

Title (en)  
Multi-strand continuous casting machine and method

Title (de)  
Mehrfach-Horizontalstranggiessanlage und Verfahren zu ihrem Betrieb

Title (fr)  
Dispositif et procédé de coulée continue avec une installation de coulée à plusieurs ligues

Publication  
**EP 0577232 B1 19990120 (DE)**

Application  
**EP 93250117 A 19930421**

Priority  
DE 4219335 A 19920610

Abstract (en)  
[origin: EP0577232A1] The invention relates to a method for the operation of a multi-strand horizontal continuous casting machine and to a multi-strand horizontal continuous casting installation. In order to be able to accommodate as large as possible a number of casting streams when casting strands of relatively small cross-sectional area from relatively large quantities of melt in a very restricted space, to improve the temperature profile of the melt in the distributor and to reduce the expenditure on equipment, it is proposed that, in the event of malfunctions in one mould, the strand in the mould concerned is, by actuating the associated clamping device in the strand withdrawal direction, connected frictionally, although only if there is at least one backward thrust movement, to one of two clamping devices, and the second clamping device used to deliver the strand is disengaged from the strand during the withdrawal stroke. The installation is designed such that the distributor (10), with a number of pouring elements (14) arranged in the side wall (11) of the distributor (10), the number corresponding to the number of strands to be produced, is assigned to a mould (42, 43, 45), the moulds (42, 43, 45) are combined to form a mould block (40) in apertures of the housing (41) of the mould block (40), and the axes (49) of the apertures of the housing (41) are in alignment with the axes (15) of the pouring openings (14) of the distributor (10).

IPC 1-7  
**B22D 11/14; B22D 11/128**

IPC 8 full level  
**B22D 11/00** (2006.01); **B22D 11/04** (2006.01); **B22D 11/128** (2006.01); **B22D 11/14** (2006.01)

CPC (source: EP US)  
**B22D 11/1284** (2013.01 - EP US); **B22D 11/143** (2013.01 - EP US); **B22D 11/147** (2013.01 - EP US)

Cited by  
DE112004000509B4; US7575041B2

Designated contracting state (EPC)  
CH DE GB IT LI

DOCDB simple family (publication)  
**EP 0577232 A1 19940105; EP 0577232 B1 19990120**; DE 4219335 A1 19931216; DE 59309321 D1 19990304; JP 3139887 B2 20010305; JP H0647498 A 19940222; US 5358028 A 19941025

DOCDB simple family (application)  
**EP 93250117 A 19930421**; DE 4219335 A 19920610; DE 59309321 T 19930421; JP 16413193 A 19930608; US 7513093 A 19930610