

Title (en)

Device for regulating a tundish stopper or the like in a continuous casting machine.

Title (de)

Vorrichtung zur regelbaren Verstellung eines Stopfens einer Verteilerrinne oder dgl. in einer Stranggiessanlage.

Title (fr)

Dispositif d'actionnement réglable pour un bouchon de répartiteur dans une installation de coulée continue.

Publication

EP 0439681 B1 19950726 (DE)

Application

EP 90119334 A 19901009

Priority

- DE 4002820 A 19900131
- DE 4004547 A 19900214

Abstract (en)

[origin: EP0439681A1] Device for regulating a stopper (56) of a distributing launder or of a metallurgical vessel (57) in a continuous (billet or ingot) casting machine, the plug (56) being connected to a cross member or plug lug (22), which is arranged above the distributing launder or the metallurgical vessel and, for its part, is connected to a supporting bar which can be moved up and down in a vertical guideway. The vertical guideway of the supporting bar (square portion 1) is a roller guideway with supporting rollers (10') or balls (10') held without slip between the supporting bar and an outer housing (2,3,7).

IPC 1-7

B22D 41/20

IPC 8 full level

B22D 37/00 (2006.01); **B21C 23/00** (2006.01); **B22D 7/00** (2006.01); **B22D 11/04** (2006.01); **B22D 11/10** (2006.01); **B22D 11/18** (2006.01); **B22D 18/02** (2006.01); **B22D 41/08** (2006.01); **B22D 41/16** (2006.01); **B22D 41/20** (2006.01); **B23Q 1/26** (2006.01); **B23Q 1/40** (2006.01); **B23Q 5/26** (2006.01); **F15B 15/00** (2006.01)

IPC 8 main group level

B22D (2006.01); **F16G** (2006.01)

CPC (source: EP KR US)

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Cited by

AT404000B; CN1108891C; US5472178A; DE4424546A1; DE4424546C2; US6575224B1; WO0003822A1; WO9411137A1

Designated contracting state (EPC)

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EP 0439681 A1 19910807; **EP 0439681 B1 19950726**; AT E125477 T1 19950815; DE 4004547 A1 19910808; DE 59009439 D1 19950831; ES 2077000 T3 19951116; KR 920014537 A 19920825; KR 960002412 B1 19960217; US 5118084 A 19920602

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