

Title (en)  
Plate unit for sliding gate valves.

Title (de)  
Platteneinheit für Scheiberverschlüsse.

Title (fr)  
Unité de plaques pour obturateurs coulissants.

Publication  
**EP 0226766 A1 19870701 (DE)**

Application  
**EP 86115127 A 19861031**

Priority  
DE 3545764 A 19851221

Abstract (en)  
[origin: US4802611A] A movable refractory plate assembly for use with a sliding closure unit for controlling the discharge of molten metal from a metallurgical vessel includes a movable refractory plate having therethrough a discharge opening and a movable frame for supporting the movable refractory plate in planar abutting contact with the stationary refractory plate of the sliding closure unit and movable between open and closed positions. A refractory control member is mounted for sliding movement relative to the movable refractory plate between selected positions restricting the cross section of the movable refractory plate discharge opening. An actuator slides the control member relative to the movable refractory plate between the selected positions. The control member and actuator are accessible from the exterior of the sliding closure unit. Thus, when the sliding closure unit is in the open position, only the control member need be actuated to achieve throttling of the size of the discharge opening.

Abstract (de)  
Eine aus Rahmen und feuerfester Platte, insbesondere Schieberplatte, bestehende Platteneinheit (1, 2) wird verbessert durch Zuordnung wenigstens eines in Offenstellung der Platte (2) in der Durchflußöffnung (4) mittels eines unabhängigen Antriebes (7) regelverstellbaren Zungenteils (3), der in Schließstellung außerhalb des Verschlußgehäuses (22) austauschbar ist. Dabei soll der Zungenteil (3) den Hauptregelverschleiß auf sich ziehen und die Schieberplatte (2) schonen.

IPC 1-7  
**B22D 41/08**

IPC 8 full level  
**B22D 41/28** (2006.01); **B22D 37/00** (2006.01); **B22D 41/08** (2006.01); **B22D 41/24** (2006.01); **B22D 41/26** (2006.01)

CPC (source: EP US)  
**B22D 41/24** (2013.01 - EP US); **B22D 41/26** (2013.01 - EP US)

Citation (search report)  
• [AD] DE 2834643 A1 19800228 - DETALLE  
• [A] US 3685706 A 19720822 - FEHLING HANS REINHARD

Designated contracting state (EPC)  
AT BE CH DE ES FR GB IT LI LU NL SE

DOCDB simple family (publication)  
**EP 0226766 A1 19870701**; **EP 0226766 B1 19880914**; AT E37152 T1 19880915; DE 3545764 A1 19870625; DE 3660706 D1 19881020; ES 2004823 B3 19900801; JP S62148075 A 19870702; US 4802611 A 19890207

DOCDB simple family (application)  
**EP 86115127 A 19861031**; AT 86115127 T 19861031; DE 3545764 A 19851221; DE 3660706 T 19861031; ES 86115127 T 19861031; JP 29509186 A 19861212; US 94393886 A 19861209