

Title (en)

Slide gate nozzle for metallurgical vessel

Title (de)

Schiebeverschluss für einen Metallschmelze enthaltenden Behälter

Title (fr)

Busette à tiroir pour récipients métallurgique

Publication

EP 0891829 B1 20030326 (DE)

Application

EP 98112942 A 19980713

Priority

CH 173997 A 19970716

Abstract (en)

[origin: EP0891829A1] The sliding closure unit has a housing (12) and a lid (15) mounted on a pivot. The lid accommodates a refractory closure plate (22, 24) and a slider plate (23). A blocking device (20) prevents motion of the slider plate. The blocking device is designed in such a way that if the position of the lid is altered in the direction of motion of the slider plate, it automatically adjusts itself to prevent the motion of the slider plate. At the same time, it is possible to adjust the lid perpendicular to the direction of motion of the slider plate.

IPC 1-7

B22D 41/22; **B22D 41/40**; **B22D 41/34**; **B22D 41/24**

IPC 8 full level

B22D 41/22 (2006.01); **B22D 41/24** (2006.01); **B22D 41/34** (2006.01); **B22D 41/40** (2006.01)

CPC (source: EP US)

B22D 41/24 (2013.01 - EP US); **B22D 41/34** (2013.01 - EP US); **B22D 41/40** (2013.01 - EP US)

Cited by

WO2011085787A1; CN102834205A; EP3851225A1; US8376196B2; WO2009080257A1; WO2010037489A1; US8939331B2; EP3943212A1; WO2022017673A1; WO2021144088A1; EP3587002A1; WO2020001825A1

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

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DOCDB simple family (application)

EP 98112942 A 19980713; CA 2242501 A 19980706; CN 98116065 A 19980715; DE 59807619 T 19980713; JP 22509598 A 19980706; TW 87110891 A 19980706; US 11622398 A 19980716; ZA 986246 A 19980714