

Title (en)

Sliding gate valve for molten metal containing vessels

Title (de)

Schiebeverschluss für ein Metallschmelze enthaltendes Gefäß

Title (fr)

Fermeture à tiroir pour récipients contenant un métal en fusion

Publication

EP 0875320 B1 20040121 (DE)

Application

EP 98106668 A 19980411

Priority

- CH 102697 A 19970430
- CH 17798 A 19980126

Abstract (en)

[origin: EP0875320A2] The sliding closure unit incorporates a slider element (25) with a push rod (27) guided in a slider housing (21, 22). By means of a coupling (40), the push rod (27) is connectable to the drive rod (32) of a linear drive (30), and attached to the housing (21, 22) by means of a holding structure (28). The coupling (40) is designed in such a way that, with the linear drive (30) pushed into the holding structure (28), it automatically couples when the drive rod (32), and is pushed against the slider element (25). Similarly, it automatically decouples when the linear drive is taken out of the holding structure.

IPC 1-7

B22D 41/38

IPC 8 full level

B22D 41/38 (2006.01)

CPC (source: EP US)

B22D 41/38 (2013.01 - EP US)

Cited by

EP3424618A1; WO2019007597A1; AT514848A1; AT514848B1; RU2766944C2; US7383972B2; US7530479B2; WO2015028230A1; WO2005051574A1; WO2009010153A1; WO2005042190A1; WO2008025562A1; EP4275813A1; WO2023217884A1; EP4088837A1; WO2022238564A1

Designated contracting state (EPC)

AT CH DE FR GB IT LI

DOCDB simple family (publication)

EP 0875320 A2 19981104; EP 0875320 A3 19990428; EP 0875320 B1 20040121; AT E258090 T1 20040215; CA 2235666 A1 19981030; CA 2235666 C 20091110; CN 1074957 C 20011121; CN 1206639 A 19990203; DE 59810610 D1 20040226; JP 4110492 B2 20080702; JP H115154 A 19990112; US 6045015 A 20000404

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EP 98106668 A 19980411; AT 98106668 T 19980411; CA 2235666 A 19980423; CN 98107490 A 19980429; DE 59810610 T 19980411; JP 14821098 A 19980422; US 6984698 A 19980430