

Title (en)

SLIDING CLOSURE FOR A CONTAINER CONTAINING MOLTEN METAL

Title (de)

SCHIEBEVERSCHLUSS FÜR EINEN METALLSCHMELZE ENTHALTENDEN BEHÄLTER

Title (fr)

FERMETURE À TIROIR POUR RÉCIPIENT CONTENANT UN BAIN DE FUSION MÉTALLIQUE

Publication

EP 3247515 A1 20171129 (DE)

Application

EP 15804099 A 20151127

Priority

- CH 912015 A 20150123
- EP 2015077972 W 20151127

Abstract (en)

[origin: WO2016116197A1] The invention relates to a sliding closure (10) for a container containing molten metal, which sliding closure (10) comprises a housing part (1) which can be fastened to the sliding closure (10) and which comprises a slider unit (2), which is longitudinally movable with respect to the sliding closure (10), into each of which a fireproof plate (4, 5 respectively) can be inserted. The slider unit (2) is retained in a longitudinally movable manner by a plurality of retaining means (6a, 6b; 7a, 7b) fastened perpendicular to said slider unit on the housing part (1). The retaining means (6a, 6b; 7a, 7b) are individually releasably fastened to the housing part (1) in such a way that in the clamped state of the sliding closure (10) the retaining means can be released from the housing part (1) in almost any position of the slider unit (2). Thus, in the event of malfunctions, the closure can be opened without the need to destroy the retaining means and/or other parts. Moreover, the housing part (1) has walls (8, 9) extending in the longitudinal direction close to the plate (4, 5) having lateral projections (10a, 10b or 11a, 11b) in which bearings (12) of the individual retaining means (6a, 6b; 7a, 7b) can be received.

IPC 8 full level

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

CPC (source: CH CN EP KR RU US)

B22D 41/24 (2013.01 - CH CN EP KR RU US); **B22D 41/34** (2013.01 - CH); **B22D 41/40** (2013.01 - CN EP KR US)

Citation (search report)

See references of WO 2016116197A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2016116197 A1 20160728; AR 103502 A1 20170517; BR 112017013250 A2 20180227; BR 112017013250 B1 20210518; CA 2970041 A1 20160728; CA 2970041 C 20230228; CH 710652 A2 20160729; CH 710652 B1 20190628; CN 107107182 A 20170829; CN 107107182 B 20210302; EP 3247515 A1 20171129; EP 3247515 B1 20210331; JP 2018506432 A 20180308; JP 6694437 B2 20200513; KR 102469579 B1 20221122; KR 20170107036 A 20170922; MX 2017009401 A 20171012; MY 190092 A 20220326; PL 3247515 T3 20211129; RU 2017126839 A 20190225; RU 2017126839 A3 20190611; RU 2709882 C2 20191223; TW 201634152 A 20161001; TW I680816 B 20200101; UA 122487 C2 20201125; US 10471505 B2 20191112; US 2018009028 A1 20180111

DOCDB simple family (application)

EP 2015077972 W 20151127; AR P160100181 A 20160122; BR 112017013250 A 20151127; CA 2970041 A 20151127; CH 912015 A 20150123; CN 201580074211 A 20151127; EP 15804099 A 20151127; JP 2017536275 A 20151127; KR 20177023329 A 20151127; MX 2017009401 A 20151127; MY PI2017702653 A 20151127; PL 15804099 T 20151127; RU 2017126839 A 20151127; TW 105101889 A 20160121; UA A201708000 A 20151127; US 201515545109 A 20151127