

Title (en)  
SLIDING CLOSURE FOR A VESSEL CONTAINING MOLTEN METAL

Title (de)  
SCHIEBEVERSCHLUSS FÜR EIN METALLSCHMELZE ENTHALTENDES GEFÄSS

Title (fr)  
FERMETURE COULISSANTE POUR UN RÉCIPIENT CONTENANT UN MÉTAL EN FUSION

Publication  
**EP 3424618 B1 20210310 (DE)**

Application  
**EP 17179692 A 20170705**

Priority  
EP 17179692 A 20170705

Abstract (en)  
[origin: WO2019007597A1] A sliding gate for a vessel containing molten metal is provided with a slide housing (1), a slide unit guided longitudinally therein and having a push rod (2), a mounting (5) and a linear drive (6), which is removably fastened in the latter and has a drive rod (4). This drive rod (4) can be connected to the push rod (2) of the slide unit by a coupling (3). The coupling (3) is designed in such a way that, when the linear drive (6) has been pushed into the mounting (5), it automatically couples by a movement of the drive rod (4) towards the slide unit, while it uncouples when the linear drive (6) is removed from the mounting (5), transversely in relation to the direction of movement of the drive rod (4). A locking device (7), which can be actuated by the linear drive (6) and interacts with the mounting (5) is provided here, by means of which the linear drive (6) after being pushed into the mounting (5) can be fixed in the latter and can be unlocked again before it is removed.

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CPC (source: EP KR RU US)  
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Citation (opposition)  
Opponent : VESUVIUS GROUP SA  
• US 6045015 A 20000404 - WALTENSPUEHL ROLF [CH], et al  
• US 2011278331 A1 20111117 - BOISDEQUIN VINCENT [BE], et al  
• US 2012037831 A1 20120216 - BOISDEQUIN VINCENT [BE], et al

Cited by  
EP4275813A1; WO2023217884A1; EP4088837A1; WO2022238564A1

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DOCDB simple family (publication)  
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**EP 17179692 A 20170705**; BR 112019025043 A 20180601; CN 201880036150 A 20180601; EP 2018064453 W 20180601; JP 2019568692 A 20180601; KR 20197035022 A 20180601; RU 2019143836 A 20180601; US 201816616799 A 20180601; ZA 201907930 A 20191128