

Title (en)
SLIDE VALVE AND USE OF A SLIDE VALVE

Title (de)
SCHIEBERVENTIL UND VERWENDUNG EINES SCHIEBERVENTILS

Title (fr)
DISTRIBUTEUR À TIROIR ET UTILISATION D'UN DISTRIBUTEUR À TIROIR

Publication
EP 3743644 A1 20201202 (DE)

Application
EP 19701210 A 20190118

Priority
• DE 102018101472 A 20180123
• EP 2019051271 W 20190118

Abstract (en)
[origin: CA3087647A1] The invention relates to a slide valve for chemical and/or petrochemical installations, in particular in a round, oval, or flat slide valve design, having a locking device (11), which can be moved by a slider rod (12) into an open and closed position, and a drive, which has an electric motor (13) for adjusting the slider rod (12). The locking device (11) has two locking plates (14, 15), between which a wedge arrangement (16) for pressing the locking plates (14, 15) onto housing sealing seats (17) of the slide valve is arranged and is connected to the slider rod (12). The drive has a spindle drive (18) which is flush with the slider rod (12) and is connected thereto for transmission of a positioning force.

IPC 8 full level
F16K 31/50 (2006.01); **F16K 3/14** (2006.01)

CPC (source: EP KR US)
C10B 25/10 (2013.01 - EP KR US); **C10B 33/12** (2013.01 - EP KR US); **F16K 3/14** (2013.01 - EP KR US); **F16K 3/186** (2013.01 - US); **F16K 3/314** (2013.01 - EP KR US); **F16K 31/04** (2013.01 - EP KR US); **F16K 31/047** (2013.01 - US); **F16K 31/50** (2013.01 - KR US); **F16K 31/53** (2013.01 - KR US); **Y02P 20/129** (2015.11 - EP)

Citation (search report)
See references of WO 2019145231A1

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)
DE 102018101472 A1 20190725; BR 112020014128 A2 20201201; CA 3087647 A1 20190801; CN 111727335 A 20200929; EP 3743644 A1 20201202; JP 2021517945 A 20210729; JP 2023138504 A 20231002; JP 7379344 B2 20231114; KR 20200109367 A 20200922; RU 2020127377 A 20220224; US 11920692 B2 20240305; US 2021033198 A1 20210204; WO 2019145231 A1 20190801

DOCDB simple family (application)
DE 102018101472 A 20180123; BR 112020014128 A 20190118; CA 3087647 A 20190118; CN 201980009242 A 20190118; EP 19701210 A 20190118; EP 2019051271 W 20190118; JP 2020540733 A 20190118; JP 2023111294 A 20230706; KR 20207024010 A 20190118; RU 2020127377 A 20190118; US 201916964162 A 20190118