

Title (en)

ROTARY SLIDE VALVE FOR REGULATING A FLOW OF FLUID, AND METHOD FOR PRODUCING A ROTARY SLIDE VALVE

Title (de)

DREHSCHIEBERVENTIL ZUR REGELUNG EINES FLUIDFLUSSES SOWIE VERFAHREN ZUR HERSTELLUNG EINES DREHSCHIEBERVENTILS

Title (fr)

ROBINET À TIROIR ROTATIF POUR RÉGULER UN ÉCOULEMENT DE FLUIDE, ET PROCÉDÉ POUR PRODUIRE UN ROBINET À TIROIR ROTATIF

Publication

**EP 4038296 A1 20220810 (DE)**

Application

**EP 20792302 A 20201001**

Priority

- DE 102019126775 A 20191004
- EP 2020077444 W 20201001

Abstract (en)

[origin: WO2021064065A1] The invention relates to a method for producing a rotary slide valve for regulating a flow of a fluid, comprising a rotary slide (02) which is rotatably mounted about a rotational axis (R) in a valve housing. The method has the steps of: producing the rotary slide (02) in an injection molding method, in particular in a plastic injection molding method; producing at least one circumferential or casing section (04) of the valve housing (03) in an injection molding method, in particular in a plastic injection molding method; and installing the rotary slide valve or a precursor thereof. According to the invention, a gap is formed between the rotary slide (02) and the directly adjacent valve housing circumferential or casing section (04) of the valve housing (03) in the radial direction, said gap allowing the rotary slide (02) to rotate about the rotational axis (R) and facilitating a seal which does not exceed a tolerable leak between the rotary slide (02) and the circumferential or casing section (04) of the valve housing (03).

IPC 8 full level

**F16K 5/04** (2006.01); **F16K 27/06** (2006.01)

CPC (source: EP US)

**F16K 5/045** (2013.01 - EP US); **F16K 27/065** (2013.01 - EP US)

Citation (search report)

See references of WO 2021064065A1

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 102019126775 A1 20210408**; CN 114729702 A 20220708; EP 4038296 A1 20220810; US 2022364650 A1 20221117; WO 2021064065 A1 20210408

DOCDB simple family (application)

**DE 102019126775 A 20191004**; CN 202080078577 A 20201001; EP 2020077444 W 20201001; EP 20792302 A 20201001; US 202017765569 A 20201001