

Title (en)
FLOW PASSAGE SWITCHING VALVE

Title (de)
STRÖMUNGSKANALUMSCHALTVENTIL

Title (fr)
SOUPAPE DE COMMUTATION DE PASSAGE D'ÉCOULEMENT

Publication
EP 3842675 A1 20210630 (EN)

Application
EP 19851510 A 20190802

Priority
• JP 2018156472 A 20180823
• JP 2019030393 W 20190802

Abstract (en)
Provided is a flow channel switching valve that can ensure an excellent sealing property, operability, and stability, and can effectively prevent valve leakage. As seen in the horizontal direction (i.e., direction perpendicular to axis), the outer shape of the pressure receiving face (i.e., pressure receiving area Sc) of a first slide valve element (i.e., high-pressure side slide valve element) 15A adjacent to a second slide valve element (i.e., low-pressure side slide valve element) 15B (i.e., on the back pressure side) is set larger than the outer shape of an annular seal face 15s (or contact area Sb thereof) of the first slide valve element 15A.

IPC 8 full level
F16K 11/065 (2006.01); **F16K 25/02** (2006.01)

CPC (source: EP US)
F25B 41/26 (2021.01 - EP US)

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)
EP 3842675 A1 20210630; **EP 3842675 A4 20220525**; **EP 3842675 B1 20230621**; CN 112585385 A 20210330; CN 112585385 B 20240412; JP 2020029920 A 20200227; JP 6947401 B2 20211013; WO 2020039888 A1 20200227

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EP 19851510 A 20190802; CN 201980055530 A 20190802; JP 2018156472 A 20180823; JP 2019030393 W 20190802