Title (en)
   FLUID VALVE

Title (de)
   FLUIDVENTIL

Title (fr)
   SOUPAPE À FLUIDE

Publication
   EP 4045824 A1 20220824 (DE)

Application
   EP 20780230 A 20201001

Priority
   • EP 19465575 A 20191014
   • EP 2020077498 W 20201001

Abstract (en)
   [origin: WO2021073884A1] The present invention relates to a fluid valve, in particular for a motor vehicle and/or a temperature control system, comprising: a housing (200); and a valve body (100) that is disposed at least partly in the housing and can rotate about an axis of rotation (A); wherein the housing (200) has a first port (10) and a third port (30), which are disposed on opposite sides of a normal plane relative to the axis of rotation (A), and has a second port (20) that is radially spaced from the axis of rotation (A) and positioned between the first and third ports (10, 30) in the direction of the axis of rotation (A); and wherein the valve body (100) connects at least two ports of the housing (200) to one another in at least one rotational position and does not connect these two ports to one another in at least one other rotational position.

IPC 8 full level
   F16K 5/04 (2006.01); **B60H 1/00** (2006.01); **F01P 7/14** (2006.01); **F16K 5/06** (2006.01); **F16K 11/083** (2006.01); **F16K 11/087** (2006.01)

CPC (source: CN EP US)
   F16K 5/0615 (2013.01 - CN EP); **F16K 11/0876** (2013.01 - CN EP US); **F16K 27/067** (2013.01 - CN US); **B60H 1/00485** (2013.01 - CN EP US); F01P 2007/146 (2013.01 - CN EP)

Citation (search report)
   See references of WO 2021073884A1

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 102020201190 A1 20210415; CN 114207332 A 20220318; EP 4045824 A1 20220824; US 2022364653 A1 20221117; WO 2021073884 A1 20210422

DOCDB simple family (application)
   DE 102020201190 A 20200131; CN 202080054491 A 20201001; EP 2020077498 W 20201001; EP 20780230 A 20201001; US 202017767785 A 20201001