

Title (en)
Valve for metering out fluid

Title (de)
Ventil zum Zumessen von Fluid

Title (fr)
Soupape pour le dosage de fluide

Publication
EP 2664779 B1 20160120 (DE)

Application
EP 13160890 A 20130325

Priority
DE 102012208136 A 20120515

Abstract (en)
[origin: EP2664779A1] The valve has a fluid valve orifice (14) which is surrounded by a valve seat (15). A valve needle (16) is provided on the valve seat which is cooperated with a closing structure (161). The pressure is provided on a restoring structure (18) and an actuator by the valve needle. The rigid connection of the valve needle and the actuator is made differently, when operated in the pull direction and push direction. The connection between the valve needle and actuator is made resilient until a predetermined load deformation is present after the onset of deformation.

IPC 8 full level
F02M 51/06 (2006.01); **F02M 61/10** (2006.01)

CPC (source: EP)
F02M 51/0671 (2013.01); **F02M 51/0682** (2013.01); **F02M 51/0685** (2013.01); **F02M 61/10** (2013.01); **F02M 2200/26** (2013.01); **F02M 2200/306** (2013.01)

Cited by
JPWO2021090388A1; JP2018518629A; US10519909B2; US10508634B2; WO2021090388A1; WO2016207268A1; WO2017005556A1; WO2016096217A1; WO2019016042A1

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

DOCDB simple family (publication)
EP 2664779 A1 20131120; EP 2664779 B1 20160120; DE 102012208136 A1 20131121

DOCDB simple family (application)
EP 13160890 A 20130325; DE 102012208136 A 20120515