

Title (en)

PRESSURE CONTROL VALVE HAVING A SIDE CHANNEL ON THE VALVE PIN

Title (de)

DRUCKREGELVENTIL MIT SEITENKANAL AM VENTILSTIFT

Title (fr)

SOUPAPE DE RÉGULATION DE PRESSION À CANAL LATÉRAL SUR LA TIGE DE SOUPAPE

Publication

**EP 3014108 B1 20170809 (DE)**

Application

**EP 14729674 A 20140613**

Priority

- DE 102013211921 A 20130624
- DE 102013215085 A 20130801
- EP 2014062330 W 20140613

Abstract (en)

[origin: WO2014206764A1] The invention relates to a pressure control valve (10) which comprises a housing (20) having an inlet opening (16) and an outflow opening (18); a valve seat (14) in the housing (20) at the end of the inlet opening (16); a valve pin (12), which is guided in the housing (20) and which has an actuating element (12b) for closing the valve seat (14); and a sealing element (42, 42') on an end of the actuating element (12b), which sealing element is designed to be deposited in the valve seat (14) when the valve pin (12) is moved, such that a fluid flow between the inlet opening (16) and the outflow opening (18) is interrupted. The actuating element (12b) is guided in a guide (26) in the housing (20) and comprises at least one side channel (60), which is designed to conduct fluid from the inlet opening (16) through the guide (26) in the direction of the outflow opening (18).

IPC 8 full level

**F02M 63/00** (2006.01); **F02M 63/02** (2006.01)

CPC (source: EP)

**F02M 63/0052** (2013.01); **F02M 63/0071** (2013.01); **F02M 63/0235** (2013.01)

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)

**DE 102013215085 A1 20141224**; EP 3014108 A1 20160504; EP 3014108 B1 20170809; WO 2014206764 A1 20141231

DOCDB simple family (application)

**DE 102013215085 A 20130801**; EP 14729674 A 20140613; EP 2014062330 W 20140613