

Title (en)
THERMOSTATIC VALVE

Title (de)
THERMOSTATVENTIL

Title (fr)
SOUPAPE THERMOSTATIQUE

Publication
EP 3286469 A1 20180228 (DE)

Application
EP 16716849 A 20160412

Priority
• DE 102015207232 A 20150421
• EP 2016057990 W 20160412

Abstract (en)
[origin: WO2016169809A1] The invention relates to a thermostatic valve (1) for the temperature-dependent control of a fluid flow (2), said valve comprising a housing (3) having a first fluid channel opening (4), a second fluid channel opening (5) and a third fluid channel opening (6), a temperature-dependent expandable element (8), a valve body (9) having a plurality of openings (10, 11, 12), a restoring spring (13) and a spindle element (14) having a threaded section (15) and two end-face, opposite lying receptacles (16, 17), wherein the restoring spring (13) is supported on one side on the housing and on the other side in the first receptacle (16) of the spindle element (14), the expandable element (8) is supported on one side on the housing (3) and on the other side in the second receptacle (17) of the spindle element (14), and the valve body (9) has engaging noses (18) which are operatively connected to the threaded section (15) such that during an axial movement of the spindle element (14), the valve body (9) rotates and thus the fluid flow (2) is distributed to the three fluid channel openings (10, 11, 12).

IPC 8 full level
F16K 31/524 (2006.01); **F01M 5/00** (2006.01); **F16K 11/085** (2006.01); **F16K 31/00** (2006.01); **G05D 23/02** (2006.01)

CPC (source: EP)
F01M 5/007 (2013.01); **F16K 11/0856** (2013.01); **F16K 31/002** (2013.01); **F16K 31/52466** (2013.01); **G05D 23/022** (2013.01)

Citation (search report)
See references of WO 2016169809A1

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)
WO 2016169809 A1 20161027; DE 102015207232 A1 20161027; EP 3286469 A1 20180228

DOCDB simple family (application)
EP 2016057990 W 20160412; DE 102015207232 A 20150421; EP 16716849 A 20160412