

Title (en)  
VALVE FOR CONTROLLING A FLUID FLOW

Title (de)  
VENTIL ZUR STEUERUNG EINES FLUIDSTROMS

Title (fr)  
SOUPAPE POUR COMMANDER UN FLUX DE FLUIDE

Publication  
**EP 3593068 A1 20200115 (DE)**

Application  
**EP 18709503 A 20180228**

Priority

- DE 102017203719 A 20170307
- DE 102017203759 A 20170308
- DE 102017208181 A 20170516
- EP 2018054909 W 20180228

Abstract (en)  
[origin: WO2018162294A1] The invention relates to a valve (1, 1a), in particular an expansion valve, for controlling fluid flow, having a valve central housing (10, 10a) having a first and a second opening (12, 12a, 14, 14a) and a valve element (20, 20a) which has a rotationally symmetrical outline and is arranged rotatably within the valve element housing (10, 10a). According to the invention, the valve element (20, 20a) has a cut-out, wherein the cut-out (30, 30a, 30b, 30c) has a variable dimension, and a sub region (32, 32a) of the cutout (30, 30a, 30b, 30c) is formed continuously through the valve element (20, 20a).

IPC 8 full level  
**F25B 41/06** (2006.01); **F16K 11/074** (2006.01); **F16K 11/085** (2006.01); **F16K 11/087** (2006.01)

CPC (source: EP US)  
**F16K 3/34** (2013.01 - EP); **F16K 5/12** (2013.01 - EP); **F16K 11/0743** (2013.01 - EP US); **F16K 11/076** (2013.01 - EP US); **F16K 11/085** (2013.01 - EP); **F25B 41/35** (2021.01 - EP US); **F25B 5/02** (2013.01 - US); **F25B 41/385** (2021.01 - US); **F25B 2500/18** (2013.01 - EP US)

Citation (search report)  
See references of WO 2018162294A1

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 2018162294 A1 20180913**; CN 110431365 A 20191108; CN 110431365 B 20211116; DE 102017208181 A1 20180913; EP 3593068 A1 20200115; US 11466786 B2 20221011; US 2020033035 A1 20200130

DOCDB simple family (application)  
**EP 2018054909 W 20180228**; CN 201880016640 A 20180228; DE 102017208181 A 20170516; EP 18709503 A 20180228; US 201816491190 A 20180228