

Title (en)
VALVE FOR CONTROLLING A FLOW

Title (de)
VENTIL ZUR STEUERUNG EINES DURCHFLUSS

Title (fr)
SOUPAPE DE COMMANDE DE DÉBIT

Publication
EP 2422118 A1 20120229 (DE)

Application
EP 10713629 A 20100409

Priority
• EP 2010054680 W 20100409
• DE 102009002551 A 20090422

Abstract (en)
[origin: WO2010121911A1] A valve (100) for controlling a flow of a medium in a heating and/or cooling system of a motor vehicle comprises a valve housing (110), which has at least one first channel (140), and a regulating wheel (170), which is provided to open and close the first channel. For this purpose, the regulating wheel is arranged at a first end of a rotatably mounted drive shaft (180), which extends from the regulating wheel through an axial opening (160) of the valve housing into a spring chamber (230) arranged in the valve housing. A second end of the drive shaft arranged in the spring chamber has a spur gear (190). Furthermore, a spring (240), the first end of which is supported on the valve housing and the second end of which is supported on the spur gear, is arranged in said spring chamber.

IPC 8 full level
F16K 3/08 (2006.01); **F16K 11/074** (2006.01)

CPC (source: EP US)
F16K 3/085 (2013.01 - EP US); **F16K 11/074** (2013.01 - EP US)

Citation (search report)
See references of WO 2010121911A1

Citation (examination)
• US 2006151028 A1 20060713 - LECEA OSCAR A [US], et al
• US 5950576 A 19990914 - BUSATO MURRAY F [CA], et al

Designated contracting state (EPC)
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DOCDB simple family (publication)
DE 102009002551 A1 20101028; CN 102414491 A 20120411; EP 2422118 A1 20120229; JP 2012524874 A 20121018;
US 2012037828 A1 20120216; WO 2010121911 A1 20101028

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JP 2012506436 A 20100409; US 201013265923 A 20100409