

Title (en)
Volume flow regulator

Title (de)
Volumenstromregler

Title (fr)
Régulateur de débit

Publication
EP 1134507 A3 20020703 (DE)

Application
EP 01105453 A 20010314

Priority
DE 10014901 A 20000317

Abstract (en)
[origin: EP1134507A2] The controller has rotatable flap that projects into a channel part (1) and is rotated by a pivot shaft with a lever arm. A flap adjuster with a spring system generates a spring force at the lever arm. The spring system has a leaf spring or leaf spring packet, which is rotatably fixed at one end and transmits a spring force to the flap. A unit generates a force to one point on the spring between its ends. A fixing unit fixes the spring flexing.

IPC 1-7
F24F 13/14; **F24F 11/047**

IPC 8 full level
F24F 11/75 (2018.01); **F24F 13/14** (2006.01)

CPC (source: EP)
F24F 11/75 (2017.12); **F24F 13/1426** (2013.01)

Citation (search report)

- [A] US 5398728 A 19950321 - BAUMEISTER GREGOR [DE], et al
- [A] DE 3227882 A1 19840126 - KRANTZ H GMBH & CO [DE]
- [A] EP 0780642 A2 19970625 - VALEO CLIMATE CONTROL INC [US]
- [A] US 3191615 A 19650629 - EDWARDS ALBERT S, et al

Cited by
DE202014103345U1; FR2967776A1; EP3106770A1; DE102010038150A1; WO2012069761A1; EP2993422A1; DE202013100885U1; EP2784406A1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
EP 1134507 A2 20010919; **EP 1134507 A3 20020703**; **EP 1134507 B1 20060524**; AT E327483 T1 20060615; DE 10014901 A1 20011004; DE 10014901 C2 20020228; DE 50109842 D1 20060629

DOCDB simple family (application)
EP 01105453 A 20010314; AT 01105453 T 20010314; DE 10014901 A 20000317; DE 50109842 T 20010314