

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

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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