

Title (en)  
Volume flow regulator

Title (de)  
Volumenstromregler

Title (fr)  
Régulateur de débit

Publication  
**EP 2784406 B1 20200930 (DE)**

Application  
**EP 14156360 A 20140224**

Priority  
DE 202013100885 U 20130301

Abstract (en)  
[origin: EP2784406A1] The controller has a flap blade (14) pivotably arranged in a flow channel (12) and held on a pivot axis (22) running transverse to a flow direction through the flow channel. The flap blade is divided into a front flap blade part (14a) and a rear flap blade part (14b) by the pivot axis such that the front blade part has larger length than the rear flap part in a direction perpendicular to the pivot axis. The front flap part has smaller breadth than the rear flap part in the direction parallel to the pivot axis, where the channel has a circular or rectangular cross-section.

IPC 8 full level  
**F24F 13/14** (2006.01)

CPC (source: EP)  
**F24F 11/745** (2017.12); **F24F 13/14** (2013.01); **F24F 2013/146** (2013.01)

Citation (examination)  
• GB 2378233 A 20030205 - TRI AIR INNOVATIONS LTD [GB]  
• DE 10031991 A1 20020117 - VALEO KLIMASYSTEME GMBH [DE]

Cited by  
DE202015101096U1; DE202015101093U1; EP3064854A1; DE202015101092U1; EP3064850A1; US11073300B2

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

DOCDB simple family (publication)  
**DE 202013100885 U1 20140604**; EP 2784406 A1 20141001; EP 2784406 B1 20200930; ES 2836250 T3 20210624; PL 2784406 T3 20210308

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**DE 202013100885 U 20130301**; EP 14156360 A 20140224; ES 14156360 T 20140224; PL 14156360 T 20140224