

Title (en)

Volume flow regulator for a ventilation or an air conditioning system

Title (de)

Volumenstromregler für Klima- und Lüftungsanlagen

Title (fr)

Régulateur de débit dans un ensemble de ventilation ou de conditionnement d'air

Publication

EP 0575896 B1 19951227 (DE)

Application

EP 93109736 A 19930618

Priority

DE 9208345 U 19920623

Abstract (en)

[origin: US5398728A] A volume flow controller for air conditioning and ventilation apparatus which has a pivotable flap in a flow duct whose pivot shaft has a lever arm and which is articulated to a spring. To provide a mechanically self-actuating volume flow controller, in which the spring is matched to the control process by a simple adjustment, the spring is a leaf spring whose one end is connected with a lever and whose other end is so fastened on a cam disk that upon adjustment of the cam disk about a rotation point, the leaf spring is entrained by the cam disk and rolls on the curve thereof. A device is provided for fixing the cam disk.

IPC 1-7

F24F 13/14

IPC 8 full level

F24F 13/10 (2006.01); **F24F 13/14** (2006.01)

CPC (source: EP US)

F24F 13/10 (2013.01 - EP US); **Y10T 137/7786** (2015.04 - EP US)

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

US 5398728 A 19950321; AT E132245 T1 19960115; BR 9302441 A 19940216; CA 2098933 A1 19931224; CA 2098933 C 20030408; DE 59301237 D1 19960208; DE 9208345 U1 19921112; DK 0575896 T3 19960520; EP 0575896 A1 19931229; EP 0575896 B1 19951227; ES 2083798 T3 19960416; MY 108794 A 19961130; TW 232726 B 19941021

DOCDB simple family (application)

US 8043793 A 19930621; AT 93109736 T 19930618; BR 9302441 A 19930622; CA 2098933 A 19930622; DE 59301237 T 19930618; DE 9208345 U 19920623; DK 93109736 T 19930618; EP 93109736 A 19930618; ES 93109736 T 19930618; MY PI19931220 A 19930623; TW 82104891 A 19930618