

Title (en)

MEANS FOR THE PRESSURE REGULATION OF A VENTILATING SYSTEM WITH VARIABLE FLUIDS

Publication

EP 0174002 A3 19871223 (DE)

Application

EP 85111091 A 19850903

Priority

SE 8404442 A 19840905

Abstract (en)

[origin: EP0174002A2] The means has a channel system (40) with variable openings in relation to the ventilated rooms and an air transport means (30), preferably a blower. In the channel system, preferably adjacent to the blower, a throttle flap (33, 46) is arranged in such a manner that its axis of rotation is arranged at the flap edge or outside an opening (36) of the ventilation channel (40), which opening is influenced by the throttle flap. The throttle flap (33, 46) is arranged in such a manner, possibly with the aid of a weight (35) on an arm (39), that the centre of gravity (37) of the throttle flap lies at least approximately on the plane of the axis of rotation (34) when the throttle flap is in the closed position. These means bring about a greater pressure reduction over the throttle flap with small flows than with large flows. As a result, a blower curve is produced, which rises from small to large volume flows. <IMAGE>

IPC 1-7

F24F 13/14; F24F 11/02

IPC 8 full level

F24F 11/00 (2006.01); **F24F 11/02** (2006.01)

CPC (source: EP)

F24F 11/0001 (2013.01); **F24F 11/72** (2017.12)

Citation (search report)

- [A] FR 1370843 A 19640828 - CT SCIENT TECH BATIMENT CSTB
- [A] DE 1900762 U 19640917 - JESSEN GUNNI HARALD [DK]
- [A] DE 1216511 B 19660512 - SCHWEND & CIE JOSEPH
- [A] DE 1778956 A1 19710805 - STEINBERG HERBERT
- [A] FR 2513359 A1 19830325 - VENTILATION INDLE MINIERE [FR]

Cited by

CN100441965C; AU2010200396B2; FR2616522A1; ES2126503A1

Designated contracting state (EPC)

BE DE FR GB IT NL SE

DOCDB simple family (publication)

EP 0174002 A2 19860312; EP 0174002 A3 19871223; EP 0174002 B1 19901212; DE 3580879 D1 19910124; SE 445486 B 19860623; SE 8404442 D0 19840905; SE 8404442 L 19860306

DOCDB simple family (application)

EP 85111091 A 19850903; DE 3580879 T 19850903; SE 8404442 A 19840905