

Title (en)

Window ventilation apparatus for ventilation and air conditioning installations.

Title (de)

Fensterblasgerät für Lüftungs- und Klimaanlage.

Title (fr)

Dispositif de ventilation par la fenêtre pour des installations de ventilation et de climatisation.

Publication

EP 0094000 A1 19831116 (DE)

Application

EP 83104336 A 19830503

Priority

DE 3216997 A 19820506

Abstract (en)

1. Window blower apparatus for ventilating and air conditioning units having a blow-out shaft (13), a primary chamber (5) which extends over the length of the blow-out shaft (13) and which is fed with supply air, primary nozzles (10) through which the supply air is blown as primary air jets from the primary chamber (5) into the blow-out shaft (13), a secondary chamber (6) which extends over the length of the blow-out shaft (13) and which is fed with supply air in a variable volume flow, at least one secondary outlet (12) which is disposed parallel to the primary nozzles (10) and through which the supply air emerges from the secondary chamber (6) and is entrained by induction by the primary air jets, and inlet openings (14) which open into the blow-out shaft (13) in the region of the primary nozzles (10) and through which the air in the room is sucked by induction as tertiary air by the primary air jets, characterised in that a volume flow regulator (3) is provided in the supply line (1) feeding the primary chamber (5), and, in order to feed the secondary chamber (6) with supply air, the said secondary chamber (6) is connected to the primary chamber (5) by way of variable throughflow cross-section.

Abstract (de)

Die Zuluft wird einer Primärkammer (5) zugeführt, aus welcher sie über Primärdüsen (10) ausgeblasen wird. Von der Primärkammer (5) tritt Zuluft über einen einstellbaren Durchtrittsquerschnitt (7, 8, 9) in eine Sekundärkammer (6) ein, die einen Sekundärauslaß (12) speist. Um bei einer Veränderung des Sekundärluftstromes den Primärluftstrom konstant zu halten, wird entsprechend der Veränderung des Durchtrittsquerschnitts (7, 8, 9) zwischen Primärkammer (5) und Sekundärkammer (6) die der Primärkammer (5) zugeführte Zuluftmenge mittels eines Volumenstromreglers (3) verändert.

IPC 1-7

F24F 1/01

IPC 8 full level

F24F 1/01 (2011.01)

CPC (source: EP)

F24F 1/01 (2013.01)

Citation (applicant)

DE 3012593 A1 19811008 - SCHAKO METALLWARENFABRIK [DE]

Citation (search report)

- [YD] DE 3012593 A1 19811008 - SCHAKO METALLWARENFABRIK [DE]
- [Y] DE 2521044 A1 19761202 - MECKLER GERSHON
- [Y] DE 2143457 A1 19730308 - ROX LUFTTECHNISCHE GERAETEBAU
- [A] DE 2123868 A1 19730104 - DYNAMICS CORP AMERICA
- [A] US 3611908 A 19711012 - SPOORMAKER HENDRIK J

Cited by

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Designated contracting state (EPC)

AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)

EP 0094000 A1 19831116; EP 0094000 B1 19850717; AT E14344 T1 19850815; DE 3216997 A1 19831110; DE 3216997 C2 19850110; DE 3360404 D1 19850822; DK 200683 A 19831107; DK 200683 D0 19830505

DOCDB simple family (application)

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