

Title (en)

Centrifugal ventilation device of enhanced performance having at least two suction inlets and related ventilation method

Title (de)

Kreiselventilationsgerät mit verbesserter Leistung mit wenigstens zwei Saugöffnungen und Ventilationsverfahren

Title (fr)

Dispositif de ventilation centrifuge à performances améliorées comportant au moins deux entrées d'aspiration et procédé de ventilation s'y rapportant

Publication

**EP 0823555 B1 20030402 (FR)**

Application

**EP 97420141 A 19970806**

Priority

FR 9610135 A 19960807

Abstract (en)

[origin: EP0823555A1] The centrifugal ventilator (1) has an outlet (20) and at least two intakes (2,3) situated on either side of a rotor (4) powered by a drive. Each intake has a regulating system (30) designed to create an asymmetrical intake flow for operating the ventilator in a partial mode. The regulating systems differ in their mechanical structure and their degree of fine or coarse control. One regulating system is in the form of a shutter and the other has one or more louvres.

IPC 1-7

**F04D 27/02**; **F04D 29/42**; **F04D 17/16**

IPC 8 full level

**F04D 27/00** (2006.01); **F04D 17/08** (2006.01); **F04D 17/16** (2006.01); **F04D 27/02** (2006.01); **F04D 29/28** (2006.01); **F04D 29/42** (2006.01); **F04D 29/46** (2006.01)

CPC (source: EP US)

**F04D 17/162** (2013.01 - EP US); **F04D 27/003** (2013.01 - EP US); **F04D 29/424** (2013.01 - EP US)

Cited by

CN102966599A; EP3070334A4

Designated contracting state (EPC)

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

DOCDB simple family (publication)

**EP 0823555 A1 19980211**; **EP 0823555 B1 20030402**; AT E236356 T1 20030415; AU 3945797 A 19980225; AU 724577 B2 20000928; BR 9711172 A 20000111; CN 1188857 A 19980729; CN 1270099 C 20060816; DE 69720340 D1 20030508; DE 69720340 T2 20050407; DK 0823555 T3 20030721; ES 2196283 T3 20031216; FR 2752271 A1 19980213; FR 2752271 B1 19981009; ID 17983 A 19980212; JP 2000515604 A 20001121; TW 490536 B 20020611; US 5980199 A 19991109; WO 9805867 A1 19980212; ZA 977001 B 19980303

DOCDB simple family (application)

**EP 97420141 A 19970806**; AT 97420141 T 19970806; AU 3945797 A 19970806; BR 9711172 A 19970806; CN 97118076 A 19970807; DE 69720340 T 19970806; DK 97420141 T 19970806; ES 97420141 T 19970806; FR 9610135 A 19960807; FR 9701461 W 19970806; ID 972724 A 19970806; JP 50769198 A 19970806; TW 86111050 A 19970802; US 90078297 A 19970725; ZA 977001 A 19970806