

Title (en)

Centrifugal fan, particularly for extractor hoods and fume extractors

Title (de)

Radialgebläse, insbesondere für Abzugshauben und Dunstabsauger

Title (fr)

Ventilateur centrifuge, spécialement pour des hottes d'extraction et extracteurs de fumées

Publication

**EP 1857683 A2 20071121 (EN)**

Application

**EP 07107751 A 20070508**

Priority

IT PD20060193 A 20060516

Abstract (en)

A centrifugal fan comprises a casing (2) having a helical external profile, defined by a pair of half-shells (2a, 2b) capable of being coupled to each other, a fan wheel (3) mounted in the casing (2) and capable of being driven in rotation about a first axis (X), there being defined in the casing (2) a lateral suction aperture (6), coaxial with the first axis (X), and a tangential delivery aperture (5), coaxial with a second axis (Y) directed tangentially to the fan wheel (3), inside the casing (2) a pressure chamber (7) being defined having a volume formed between the fan wheel (3) and the inner helical profile (3b) of the casing (2). The fan further comprises a flow separator (8) arranged at the zone (M) having the smallest radial distance between the fan wheel (3) and the inner profile (3b) of the casing (2), the flow separator (8) being defined conjointly by a pair of appendages (9), each formed in the respective casing half-shell (2a, 2b).

IPC 8 full level

**F04D 29/42** (2006.01)

CPC (source: EP)

**F04D 29/422** (2013.01); **F04D 29/4226** (2013.01)

Citation (applicant)

- DE 29920373 U1 20000113 - MOTOREN VENTILATOREN GMBH [DE]
- US 2006051204 A1 20060309 - LYONS LESLIE A [US]

Cited by

CN106855062A; EP2177769A3

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

**EP 1857683 A2 20071121**; **EP 1857683 A3 20100224**; IT PD20060193 A1 20071117; RU 2007118153 A 20081120; RU 2426013 C2 20110810

DOCDB simple family (application)

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