



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
07.06.2017 Bulletin 2017/23

(51) Int Cl.:
F04D 29/42 ^(2006.01) **F04D 29/44** ^(2006.01)

(43) Date of publication A2:
28.12.2011 Bulletin 2011/52

(21) Application number: **11170800.4**

(22) Date of filing: **21.06.2011**

(84) Designated Contracting States:
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR
Designated Extension States:
BA ME

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(30) Priority: **24.06.2010 IT PD20100047 U**

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(54) **Improved centrifugal fan, in particular for extractor hoods**

(57) A centrifugal fan with a helical external profile, formed by a pair of half-shells which may be coupled to one another, an impeller mounted in the body which can be driven in rotation about a first axis (X), the body being provided with a pair of opposing lateral extraction openings coaxial with the first axis and a tangential delivery opening coaxial with a second axis positioned tangen-

tially with respect to the impeller, a pressure chamber being formed in the body whose volume is formed between the impeller and the helical profile of the body, this helical profile developing from a point at a minimum radial distance from the first axis in a median plane (P) of symmetry of the body (2).

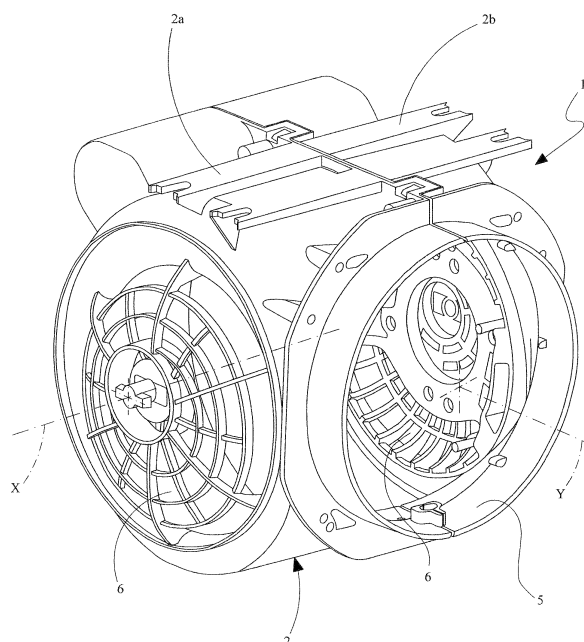


Fig. 1



EUROPEAN SEARCH REPORT

Application Number
EP 11 17 0800

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The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 25 April 2017	Examiner de Martino, Marcello
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

EPO FORM 1503 03/02 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT
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The members are as contained in the European Patent Office EDP file on
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