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(54) **Roof fan**

(57) The invention relates to a fan (1) adapted for placing on the roof of a building. Roof fans are known which blow substantially vertically, while fans are also commercially available which have a substantially horizontal, radial outflow pattern.

The fan (1) according to the invention now has the feature that the fan (1) is constructed such that the air blown to the outside has both a considerable horizontal and a considerable vertical directional component. Due to the angle at which the outflowing air is displaced, ambient air is carried along through so-called "induction". An air flow (16) will for instance be created which travels downward from above in the direction of the fan (1), is then deflected and carried along by the obliquely blowing air flow. Also occurring along the roof in the direction of the fan (1) is an air flow (15) which will deflect in the vicinity of the fan (1) to be then carried along in the direction of the obliquely blowing air flow.

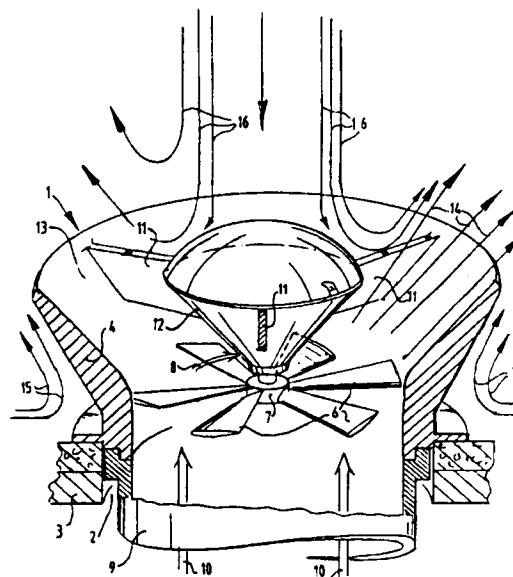


FIG.1

EP 0 705 983 A3



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EUROPEAN SEARCH REPORT

Application Number
EP 95 20 2643

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
X	GB 1 115 792 A (COLT VENTILATION & HEATING LIMITED) * page 2, line 30 - page 3, line 67; figures 1-3 *	1,3-5,8	F04D25/12 F04D29/44 F04D29/54
Y	---	2,6,7	
Y	US 2 439 124 A (BERGSTROM) * the whole document *	2,6,7	
X	---		
X	GB 2 165 938 A (WILHELM GEBHARDT) * page 2, line 16 - page 3, line 89; figures 1-7 *	1-3,6,7	
X	---		
X	US 4 890 547 A (WAGNER) * column 3, line 38 - column 4, line 68; figures 1-3 *	1,2,7,8	
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X	US 2 332 552 A (BELANGER) * the whole document *	1,3	
A	---		
A	GB 583 557 A (JOSEPH CUTHBERT AKESTER) * the whole document *	1,2,4-6	TECHNICAL FIELDS SEARCHED (Int.Cl.6) F04D
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 17 December 1997	Examiner Teerling, J
<p>CATEGORY OF CITED DOCUMENTS</p> <p>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</p> <p>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</p>			

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