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(54) Title: MOTOR MOUNTING ASSEMBLY FOR AN AXIAL FAN

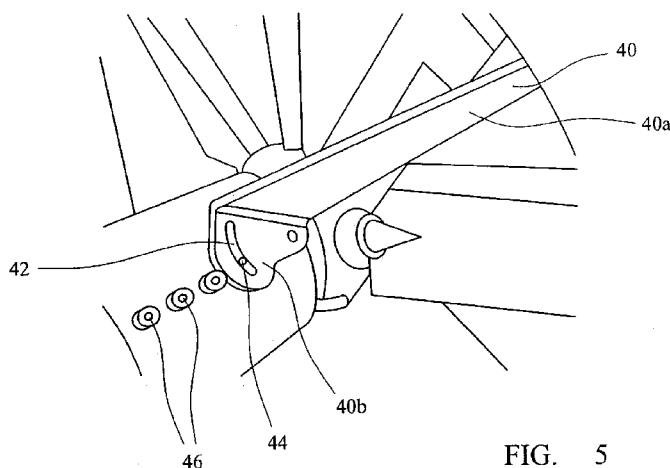


FIG. 5

(57) Abstract: A support arm (40) for a mounting arrangement for mounting a motor (38) of an axial fan within an outer casing (30), the support arm comprising an elongate vane (40a) arranged and configured to extend between said motor and the inner wall of said casing, and a connecting portion (40b) for connecting said vane to said motor, said connecting portion comprising means (42) for varying the angle of the surface of said vane relative to the direction of airflow through said axial fan.

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INTERNATIONAL SEARCH REPORT

International application No

PCT/GB2008/004131

A. CLASSIFICATION OF SUBJECT MATTER
INV. F04D29/56

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
F04D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	DE 203 12 448 U1 (DATECH TECHNOLOGY CO [TW]) 30 October 2003 (2003-10-30) the whole document	1-11, 15, 19
Y	DE 103 58 917 A1 (DELTA ELECTRONICIS INC [TW]) 23 December 2004 (2004-12-23) paragraph [0024] - paragraph [0031] figures 2A-5	1-11, 15, 19
Y	CH 318 567 A (ROLLS ROYCE [GB]) 15 January 1957 (1957-01-15) page 1, line 15 - line 35 page 3, line 31 - line 76 figures 1-6	1-11, 15, 19
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Further documents are listed in the continuation of Box C.

See patent family annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
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- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search

26 March 2009

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INTERNATIONAL SEARCH REPORT

International application No
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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	GB 907 323 A (ENTWICKLUNGSBAU PIRNA VEB) 3 October 1962 (1962-10-03) page 2, line 54 - line 81 page 3, line 125 - page 4, line 10 figures 6-8	1-11,15, 19
A	----- US 2003/133815 A1 (GRANT ALAN PETER [CA]) 17 July 2003 (2003-07-17) paragraph [0001] paragraph [0019] - paragraph [0023] paragraph [0033] - paragraph [0034] figures 1-7	1-11,15, 19
A	----- GB 1 330 620 A (TROX GMBH GEB) 19 September 1973 (1973-09-19) the whole document	1-11,15, 19

INTERNATIONAL SEARCH REPORT

International application No.
PCT/GB2008/004131

Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

2. Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:

3. Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. As all required additional search fees were timely paid by the applicant, this international search report covers allsearchable claims.

2. As all searchable claims could be searched without effort justifying an additional fees, this Authority did not invite payment of additional fees.

3. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:

4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

"see additional sheet(s)"

Remark on Protest

- The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
- The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
- No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-11,15,19

The connecting portion comprising means for varying the angle of the surface of said vane relative to the direction of airflow through said axial fan.

2. claims: 12-14

The angle of the profile of the elongate vane varies along its length.

3. claims: 16-18

A connector assembly comprising means for connecting said vane to said motor at a selected one of a plurality of distances from the fan's impeller.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/GB2008/004131

Patent document cited in search report	Publication date	Publication date	Patent family member(s)	Publication date
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