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(54) Title: CALIBRATION OF MOTOR FOR CONSTANT AIRFLOW CONTROL

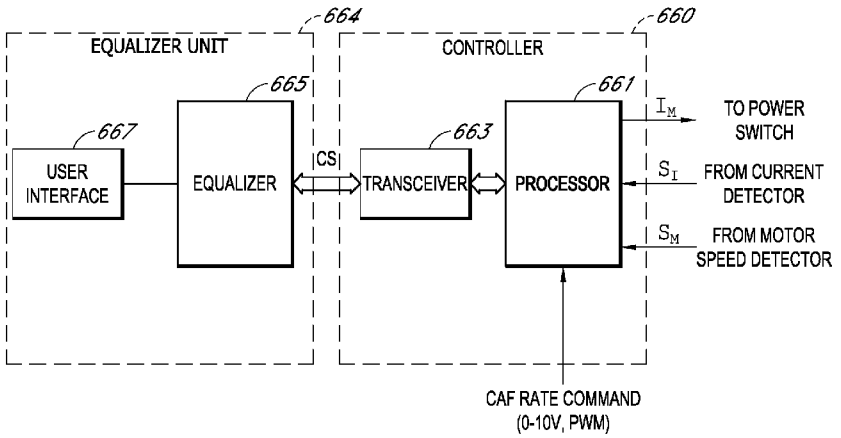



FIG. 6B

(57) Abstract: A calibration device for calibrating a motor for providing a substantially constant airflow in a ventilation system is disclosed. In one embodiment, a calibration device (664) includes an adjusting module configured to adjust an electric current supplied to a motor until a monitored airflow rate reaches a target value; a determining module configured to determine a difference between values of the electric current before and after adjusting; and a communication module configured to cause to store, in a memory of the motor or ventilation system, the difference as one of adjustment values corresponding to one of a plurality of predetermined rotational speed ranges of the motor.

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**INTERNATIONAL SEARCH REPORT**

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**A. CLASSIFICATION OF SUBJECT MATTER**

***F24F 11/02(2006.01)i, H02P 8/14(2006.01)i, G01L 19/00(2006.01)i, F24F 7/06(2006.01)i***

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)

F24F 11/02; B41J 2/05; A61M 16/00; F02K 3/02; B41J 2/01; G01P 21/00

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

Korean utility models and applications for utility models
Japanese utility models and applications for utility models

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

eKOMPASS(KIPO internal) & Keywords: ventilation, communication, adjust, determining

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|---|---|---|
| Y | US 2005-0241293 A1 (MARK MODERA et al.) 03 November 2005<br>See Para. 11 and 12 | 1-9 |
| A | See All claims | 10-20 |
| Y | US 2003-0088356 A1 (DANIEL MICHAEL KABAT et al.) 08 May 2003<br>See Para. 5, Claims 1-3 | 1-9 |
| A | See All claims | 10-20 |
| A | JP 2005-007723 A (SONY CORP) 13 January 2005<br>See Para. 110 and 120 | 1-20 |
| A | US 2003-0116159 A1 (JOSEPH ORR et al.) 26 June 2003<br>See Pages 2, 4 | 1-20 |

☐ 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
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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
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"&" document member of the same patent family

| Date of the actual completion of the international search | Date of mailing of the international search report |
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Information on patent family members

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