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(71) Applicant (for all designated States except US): **US GREEN ENERGY SOLUTIONS, LLC** [US/US];
16986 136th Avenue, Nunica, MI 49448 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **SMITH, Patrick, S.** [US/US]; 16986 136th Avenue, Nunica, MI 49448 (US).
SMITH, Edgar, A. [US/US]; 1583 South Maple Road, Ann Arbor, MI 48103 (US).

(74) Agent: **FORTIN, Leon**; GTC Law Group LLP & Affiliates, c/o CPA Global, P.O.Box 52050, Minneapolis, MN 55402 (US).

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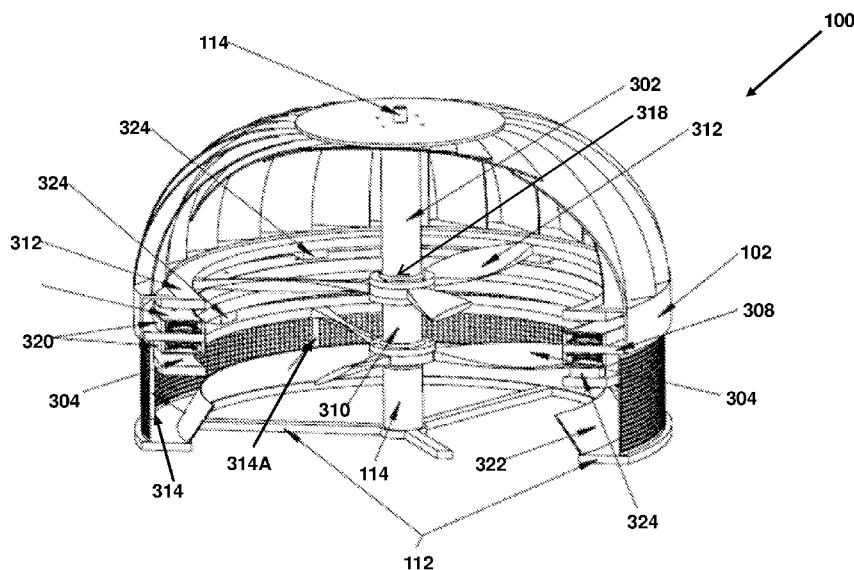


Fig. 3

(57) Abstract: Converting an air flow into a source of electricity by an airflow generator includes disposing the airflow generator in an air flow path of a machine for receiving the air flow to rotate a turbine bladed portion of the airflow generator that causes a plurality of permanent magnets disposed along the circumference of the bladed portion to cyclically move in close proximity to a plurality of fixed position stator coils thereby generating electrical currents in the coils that can be harvested.

A. CLASSIFICATION OF SUBJECT MATTER***F03D 9/00(2006.01)i, F24F 7/02(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)

F03D 9/00; F03D 1/02

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: air flow, magnet, stator, machine, vehicle, ventilator

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2009-0001731 A1 (PERLO PIERO et al.) 01 January 2009 See abstract, claims 1-37, figs 1-21	1-6, 49-51
A	See abstract, claims 1-37, figs 1-21	7-48, 52-190
A	US 2009-0284018 A1 (ELLIS JAMES DONALD) 19 November 2009 See abstract, claims 1-30	1-190
A	WO 2004-090328 A1 (KIM, JAY EUNG JUNG et al.) 21 October 2004 See abstract, claims 1-5, figs 1-2	1-190



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Korean Intellectual Property Office
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Authorized officer

BAEK, On Ki

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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