(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
17 January 2013 (17.01.2013)

WIPO | PCT

(10) International Publication Number
WO 2013/010126 A3

(51) International Patent Classification:
F03D 1/02 (2006.01) *F03D 11/02* (2006.01)
F03D 11/00 (2006.01) *F03D 11/04* (2006.01)
F03D 3/00 (2006.01)

(21) International Application Number:
PCT/US2012/046767

(22) International Filing Date:
13 July 2012 (13.07.2012)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
61/507,527 13 July 2011 (13.07.2011) US

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(81) **Designated States** *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) **Designated States** *(unless otherwise indicated, for every kind of regional protection available)*: ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:
— *with international search report (Art. 21(3))*

(88) **Date of publication of the international search report**:
10 May 2013

(54) **Title**: APPARATUS AND METHOD TO UTILIZE WIND POWER TO GENERATE ELECTRICITY

(57) **Abstract**: An apparatus that utilizes wind power to generate electricity is disclosed. In one embodiment, the apparatus comprises a plurality of horizontal axis wind turbine systems mounted onto a structure having framing. The plurality of horizontal axis wind turbine systems are securely mounted to the framing of the structure with a mounting system. Each horizontal axis wind turbine system is connected to a cable which is connected to a utility substation for distribution and supplies newly created electrical energy to a local electrical grid system. A method that utilizes wind power to generate electricity is also disclosed.

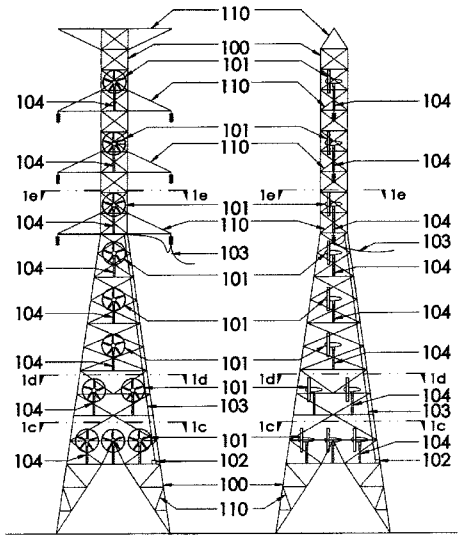


Fig. 1a Fig. 1b

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2012/046767

A. CLASSIFICATION OF SUBJECT MATTER

F03D 1/02(2006.01)i, F03D 11/00(2006.01)i, F03D 3/00(2006.01)i, F03D 11/02(2006.01)i, F03D 11/04(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 1/02; F03B 7/00; F03D 7/04; /; F03D 9/00

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: tower, wind, turbine, frame

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6749399 B2 (HERONEMUS; WILLIAM E.) 15 June 2004 See column 6, lines 33-36 and figure 3.	1-34
X	WO 2009-009375 A1 (KKR IP LIMITED LIABILITY COMPANY et al.) 15 January 2009 See paragraphs [20], [31] and figures 1, 4A, 4B.	1-34
A	EP 1519040 A1 (GENERAL ELECTRIC COMPANY) 30 March 2005 See paragraphs [12]-[13] and figure 1.	1-34
A	WO 2009-106921 A2 (HOPEWELL WIND POWER LIMITED et al.) 03 September 2009 See page 6, lines 13-17 and figure 1.	1-34

☐ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

* Special categories of cited documents:
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"O" document referring to an oral disclosure, use, exhibition or other means
"P" document published prior to the international filing date but later than the priority date claimed
"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"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	Date of mailing of the international search report
23 JANUARY 2013 (23.01.2013)	**23 JANUARY 2013 (23.01.2013)**

Name and mailing address of the ISA/KR

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Facsimile No. 82-42-472-7140

Authorized officer

JEONG, Seon Ung

Telephone No. 82-42-481-5545

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/US2012/046767

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