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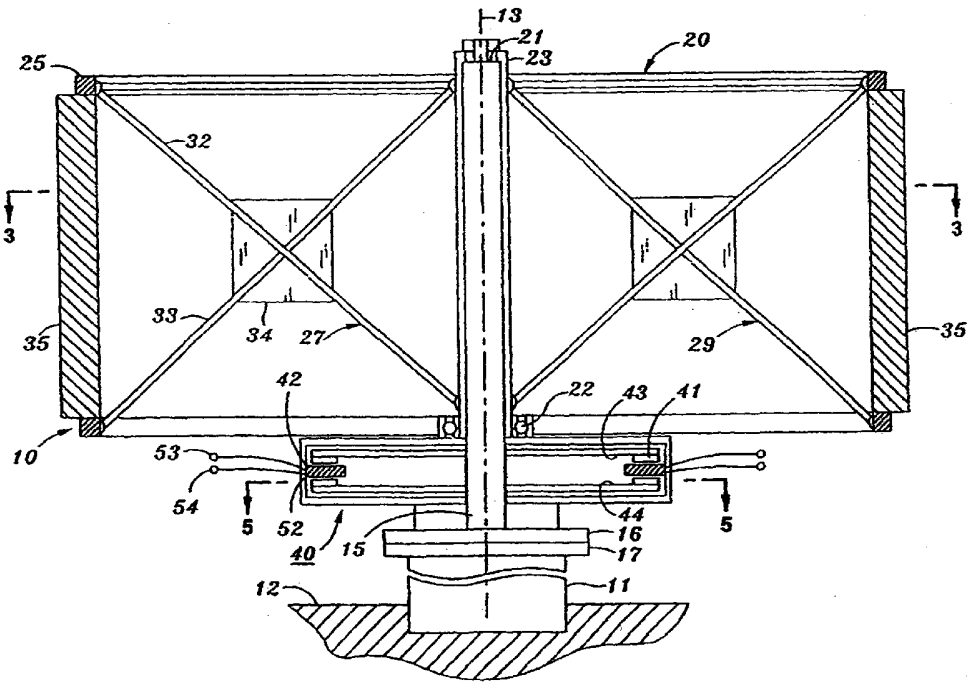
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(54) Title: OMNI-DIRECTIONAL WIND TURBINE ELECTRIC GENERATION SYSTEM



(57) **Abstract:** An omni-directional wind turbine electric generation system including a wind rotor carrying wind responsive vanes which on one surface exert an aerodynamic lifting force and on the other a blocking force both of which exert a torque in the same rotational sense, and an electric generator directly connected to said wind rotor and coaxial therewith, without transmission means between them.

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US05/15401

A. CLASSIFICATION OF SUBJECT MATTER
IPC(7) : F03D 9/00; H02P 9/04
US CL : 290/44
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)
U.S. : 290/44, 55; 310/268; 415/4.4

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
NONE

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
NONE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4,291,235 A (BERGEY, JR. et al) 22 September 1981 (22.09.1981), see entire document.	1
X	US 5,315,159 A (GRIBNAU) 24 May 1994 (24.05.1994), Figures 3a-3b.	1, 2, 4
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Y		3, 5-13
Y	US 3,320,454 A (KOBER) 16 May 1967 (16.05.1967), see entire document.	3, 9, 12
Y	US 5,380,149 A (VALSAMIDIS) 10 January 1995 (10.01.1995), see entire documnet.	5-11, 13
A	US 4,692,631 A (DAHL) 08 September 1987 (08.09.1987), see entire document.	1-13
A	US 4,318,019 A (TEASLEY et al) 02 March 1982 (02.03.1982), see entire document.	1-13
A	US 5,632,599 A (TOWNSEND) 27 May 1997 (27.05.1997), see entire document.	1-13
A	US 6,177,735 B1 (CHAPMAN et al) 23 January 2001 (23.01.2001), see entire document.	1-13

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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.
A	US 4,720,640 A (ANDERSON et al) 19 January 1988 (19.01.1988), see entire document.	1-13
A	US 6,465,899 B2 (ROBERTS) 15 October 2002 (15.10.2002), see entire document.	1-13
A	US 6,015,258 A (TAYLOR) 18 January 2000 (18.01.2000), see entire document.	1-13
A,P	US 6,740,989 B2 (ROWE) 25 May 2004 (25.05.2004), see entire document.	1-13