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(71) Applicant: PRIME ENERGY CORPORATION [US/US]; 1486-B Hussman Boulevard, Gardnerville, NV 89410 (US).

(72) Inventors: CHAPMAN, Jamie, C.; 15 Sleeper Street, #402, Boston, MA 02210-1225 (US). PETERKA, Jon, M.; 733 Duke Square, Ft. Collins, CO 80525 (US).

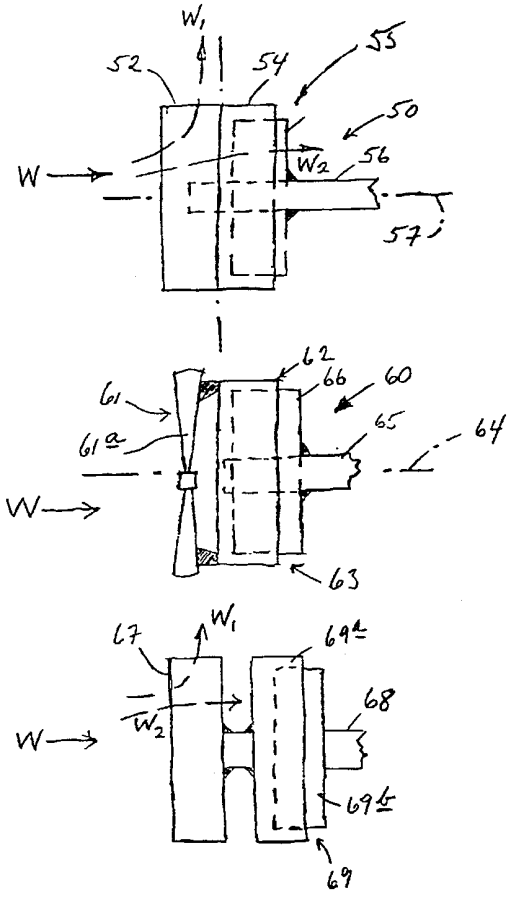
(74) Agents: DICKINSON, Jon, M. et al.; Kolisch Hartwell Dickinson McCormack & Heuser, Suite 200, 520 S.W. Yamhill Street, Portland, OR 97204 (US).

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[Continued on next page]

(54) Title: POWER-TRANSDUCER/CONVERSION SYSTEM AND RELATED METHODOLOGY



(57) Abstract: A system (60) and method for interconverting moving fluid power and electrical power, involving an aerodynamic rotor (61), integrated with an electrical rotor (62) without an interconnecting shaft, where the aerodynamic rotor (61) can either take the form of a selected style hoop-type rotor, a fan-blade-type rotor or a hoop-like aerodynamic rotor coupled directly to the rotor (62) in an electrical generator (60) through a rotating shaft.

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INTERNATIONAL SEARCH REPORT

International application No.
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A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) :F03D 9/00; F03B 13/00; H02P 9/04
US CL :290/43, 44, 53, 54, 55
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. : 290/43, 44, 53, 54, 55

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)

USPTO APS EAST

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5,591,004 A (AYLOR) 07 January 1997, (07.01.1997), entire document.	1-95
Y	US 4,831,297 A (TAYLOR et al) 16 May 1989 (16.05.1989), entire document.	1-95
Y	US 5,506,453 A (MCCOMBS) 09 April 1996 (09.04.1996), entire document.	1-60, 82, 85, 88-95
A	US 5,209,650 A (LEMIEUX) 11 May 1993 (11.05.1993), col. 3, lines 20-69.	1-95
A	US 5,696,419 A (RAKESTRAW et al) 09 December 1997 (09.12.1997), col. 2, lines 20-69.	1-95

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