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(54) Title: WIND TURBINE GENERATOR HAVING AN EDDY CURRENT BRAKE, WIND TURBINE HAVING SUCH A
GENERATOR, AND ASSOCIATED METHODS

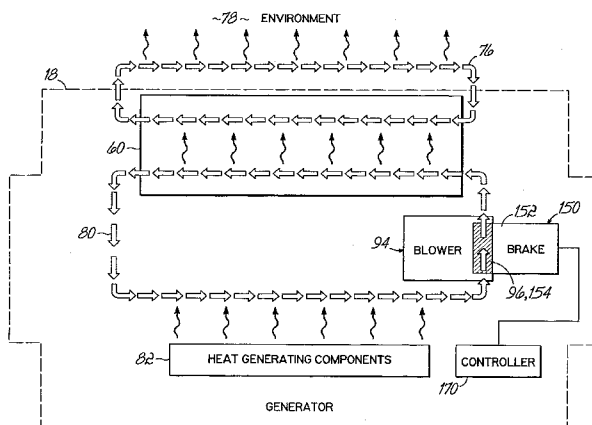


FIG. 4

(57) Abstract: A wind turbine generator includes an outer housing, a drive shaft rotatably mounted within the outer housing, stator and rotor assemblies positioned within the outer housing and movable relative to each other, a heat exchanger, and a blower having a rotating plate for generating a fluid flow circuit within the generator for transporting heat from the stator and rotor assemblies to the heat exchanger. An eddy current brake having a rotating member is located within the outer housing and is positioned in the fluid flow circuit such that fluid moving in the flow circuit cools the first rotating member. The blower and the eddy current brake may be integrated, such as by having the rotating plate of the blower serve as the rotating member of the eddy current brake. A wind turbine having such a generator, as well as a method of operating a wind turbine generator is also disclosed.



INTERNATIONAL SEARCH REPORT

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PCT/DK2013/050295

A. CLASSIFICATION OF SUBJECT MATTER
 INV. H02K7/18 H02K7/104
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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)
 H02K

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

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

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2012/038157 A1 (SKALA JAMES A [US]) 16 February 2012 (2012-02-16) paragraphs [0018], [0030], [0051], [0058], [0059]; figures 1,4,6,8-11 -----	1-20
A	US 4 853 573 A (WOLCOTT JOHN H [US] ET AL) 1 August 1989 (1989-08-01) column 4, lines 7-20 and 55-68; column 5, lines 31-46K column 6, lines 5-35; figures 1-4 -----	1-20

Further documents are listed in the continuation of Box C.

See patent family annex.

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Name and mailing address of the ISA/ European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Fax: (+31-70) 340-3016	Authorized officer Fernandez, Victor
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INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2012038157	A1	16-02-2012	NONE

US 4853573	A	01-08-1989	NONE
