



(51) International Patent Classification:  
*F03D 1/06* (2006.01)

(21) International Application Number:  
PCT/DK2009/050279

(22) International Filing Date:  
27 October 2009 (27.10.2009)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
PA 2008 01501 30 October 2008 (30.10.2008) DK  
61/198,024 30 October 2008 (30.10.2008) 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,  
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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, RO, RS, RU, SC, SD,  
SE, SG, SK, SL, SM, ST, SV, SY, 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, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,  
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ,  
TM), European (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, SE, SI, SK, SM,

[Continued on next page]

(54) Title: A WIND TURBINE GENERATOR WITH A BACK SKEWED ROTOR

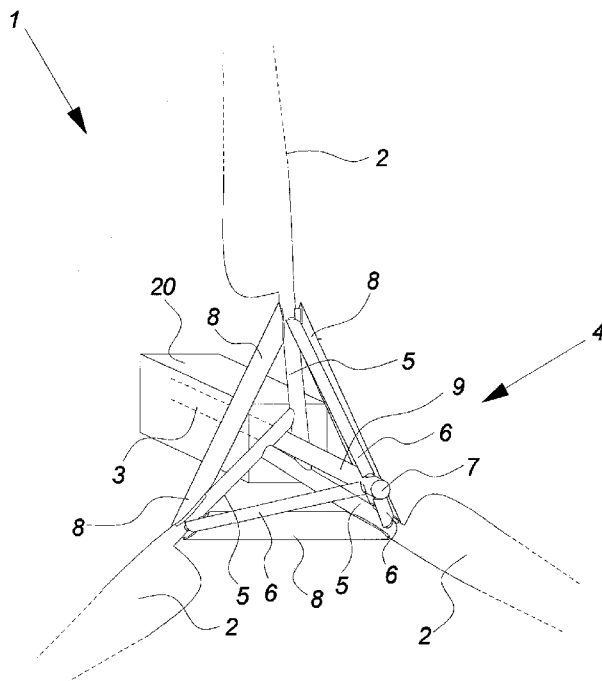


Fig. 1

(57) Abstract: The invention relates to a wind turbine generator with rotor blades being pitchably mounted, and a hub for connecting the rotor blades with the rotation shaft. The hub further comprises a plurality of radially extending support structures, a plurality of inclined support beams, one inclined support beam for each rotor blade, and/or at least a first peripheral support rod positioned in an exterior position on the hub, said first peripheral support rod connecting two of said radially extending support structures. The rotation axis for each pitchable rotor blade has a radial offset relative to the rotation shaft. The invention is thereby advantageous for obtaining a wind turbine where the resonances of the rotor blades may be controlled, i.e. shifted and/or reduced, by designing and dimensioning the plurality of inclined support beams and/or the first peripheral support rod accordingly.



TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*

**Published:**

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

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

23 December 2010

# INTERNATIONAL SEARCH REPORT

International application No

PCT/DK2009/050279

## A. CLASSIFICATION OF SUBJECT MATTER

INV. F03D1/06

ADD.

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

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 practical, 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.
X	WO 86/02701 A1 (RIISAGER CHRISTIAN) 9 May 1986 (1986-05-09)	1-11, 13-17
Y	page 4 - page 7; claims 1,2,4; figures 1-4	1-17
Y	WO 2008/111841 A2 (HOLMOEY VIDAR [NO]) 18 September 2008 (2008-09-18) page 1, line 27 - page 2, line 7 page 4, line 19 - page 8, line 21 page 9, line 13 - page 12, line 8; claims 1-13; figures 1-3	1-17
A	CH 222 864 A (FORSCH U VERWERTUNGSGESELLSCHA [DE]) 15 August 1942 (1942-08-15) the whole document	1-17



Further documents are listed in the continuation of Box C.



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Date of the actual completion of the international search

27 October 2010

Date of mailing of the international search report

10/11/2010

Name and mailing address of the ISA/

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# INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/DK2009/050279

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
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