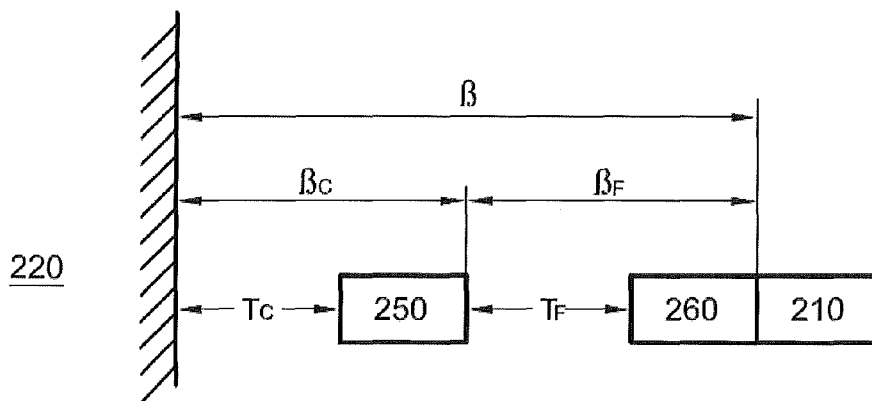




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- (71) **Applicant (for all designated States except US):** AK-TIEBOLAGET SKF [SE/SE]; S-415 50 Göteborg (SE).
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- (74) **Agents:** BURO, Sven Peter et al.; SKF B.V., Kelvinbaan 16, NL-3439MT Nieuwegein (NL).
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(54) **Title:** PITCH DRIVE SYSTEM AND METHOD



(57) **Abstract:** Pitch drive system for actively adjusting a pitch angle of a wind turbine blade (210) relative to a wind turbine hub (220), the system comprising a fine pitch drive and a coarse pitch drive, characterized in that the fine pitch drive comprises a first bearing arrangement (260) and first actuation means ( $T_f$ ), for rotationally supporting and driving the blade through a relatively small range of angular motion, and in that the coarse pitch drive comprises a second bearing arrangement (250) and second actuation means ( $T_c$ ) for rotationally supporting and driving the blade through a relatively large range of angular motion.

INTERNATIONAL SEARCH REPORT

International application No  
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A. CLASSIFICATION OF SUBJECT MATTER  
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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 practicable, search terms used)  
EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

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X	US 6 604 907 B1 (LEHNHOFF MARTIN [DE]) 12 August 2003 (2003-08-12) cited in the application column 2, line 41 - line 50 column 3, line 25 - column 4, line 11; figures	1-3,8,9, 13
X	EP 2 253 841 A2 (FUJI HEAVY IND LTD [JP]) 24 November 2010 (2010-11-24) paragraphs [0041] - [0045], [0054] - [0060]; figures 3-6	1,4,11, 12
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See patent family annex.

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"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

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Date of the actual completion of the international search  1 February 2013	Date of mailing of the international search report  13/02/2013
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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  Di Renzo, Raffaele
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## INTERNATIONAL SEARCH REPORT

International application No  
PCT/EP2012/057845

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
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