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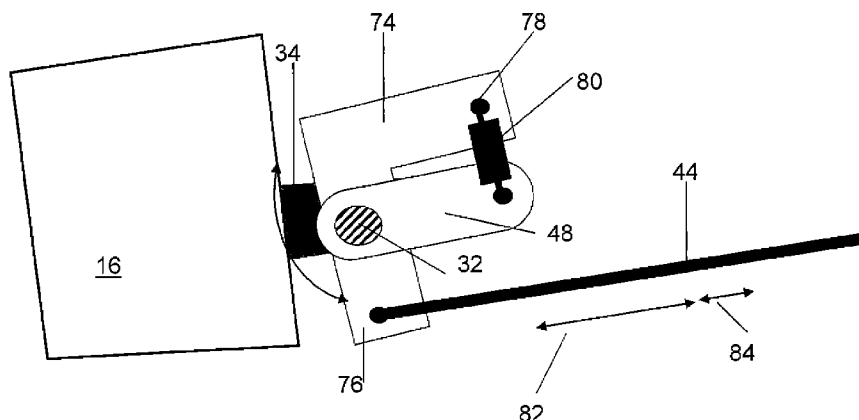
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(54) Title: FLAP CONTROL FOR WIND TURBINE BLADES



**Figure 9**

(57) Abstract: A wind turbine blade has one or more trailing edge flaps. An actuator mechanism for the flaps comprises a shaft extending along the blade length driven by a motor arrangement toward the blade root. The flap is connected to the shaft through a linkage so that rotation of the shaft pivots the flap about a hinge line. The linkage may be non-rigid and coupled to the shaft through a roller, or rigid and coupled to the shaft through a crank arm mounted on the shaft. An offset actuation mechanism is provided for imparting movement to the linkage in addition to movement due to rotation of the shaft.

## INTERNATIONAL SEARCH REPORT

International application No  
PCT/EP2010/068042

A. CLASSIFICATION OF SUBJECT MATTER  
INV. F03D1/06 F03D7/02  
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)  
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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, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y	US 2009/127861 A1 (SANKRITHI MITHRA M K V [US]) 21 May 2009 (2009-05-21) abstract paragraphs [0247] - [0282] figures	1,4,5, 7-13 2,3,6
Y	US 2004/251383 A1 (MCDONNELL WILLIAM R [US]) 16 December 2004 (2004-12-16) abstract pages 27,39 figures	2,3,6
X	US 2008/240923 A1 (BONNET LAURENT [DE]) 2 October 2008 (2008-10-02) abstract paragraphs [0017] - [0051] figures	1,4,5,7, 8,10-13
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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
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Information on patent family members

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