

(12) 按照专利合作条约所公布的国际申请

(19) 世界知识产权组织
国际局



PCT



(10) 国际公布号

WO 2011/095075 A1

(43) 国际公布日
2011 年 8 月 11 日 (11.08.2011)

- (51) 国际专利分类号:
F03D 3/02 (2006.01)
- (21) 国际申请号: PCT/CN2011/070425
- (22) 国际申请日: 2011 年 1 月 20 日 (20.01.2011)
- (25) 申请语言: 中文
- (26) 公布语言: 中文
- (30) 优先权:
201010106452.X 2010 年 2 月 5 日 (05.02.2010) CN
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(54) Title: WIND POWER GENERATING DEVICE AND WIND BLADE STRUCTURE

(54) 发明名称: 一种风力发电装置和一种风叶结构

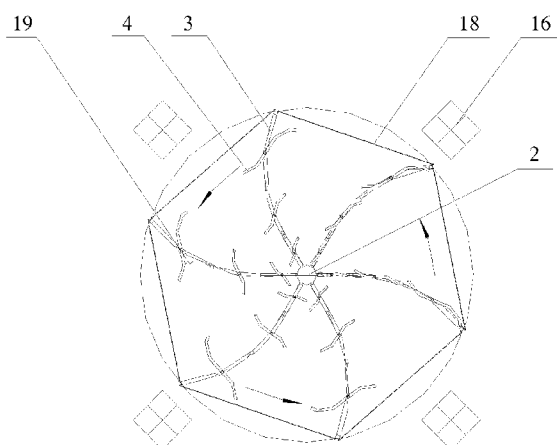


图 5 / Fig. 5

(57) Abstract: A wind blade structure includes a wind blade frame (3), wind blade shafts (5, 6, 24) provided in the wind blade frame (3), movable blades (4) and blade stoppers (23). The blade stoppers (23) are projecting elements on the wind blade frame (3) or the wind blade shafts (5, 6, 24) for blocking the movable blades (4) from rotating when the movable blades (4) rotate to a position where they overlap with the wind blade frame (3). The areas of two portions of the movable blade (4) on both sides of the wind blade shaft (5, 6, 24) are not equal. A wind power generating device is also disclosed, comprising at least one wind wheel mechanism rotating around its rotary shaft (2). The wind wheel mechanism includes at least one of the wind blade structures. The wind power generating device and the wind blade structure can endure the impact of a strong wind without being damaged easily.

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