

Search strategy

Query

((CYLINDER OR TUBE) AND (BLADE TIP))/TI/AB/CLMS/TX AND (F03D)/IPC/CPC

6 Documents

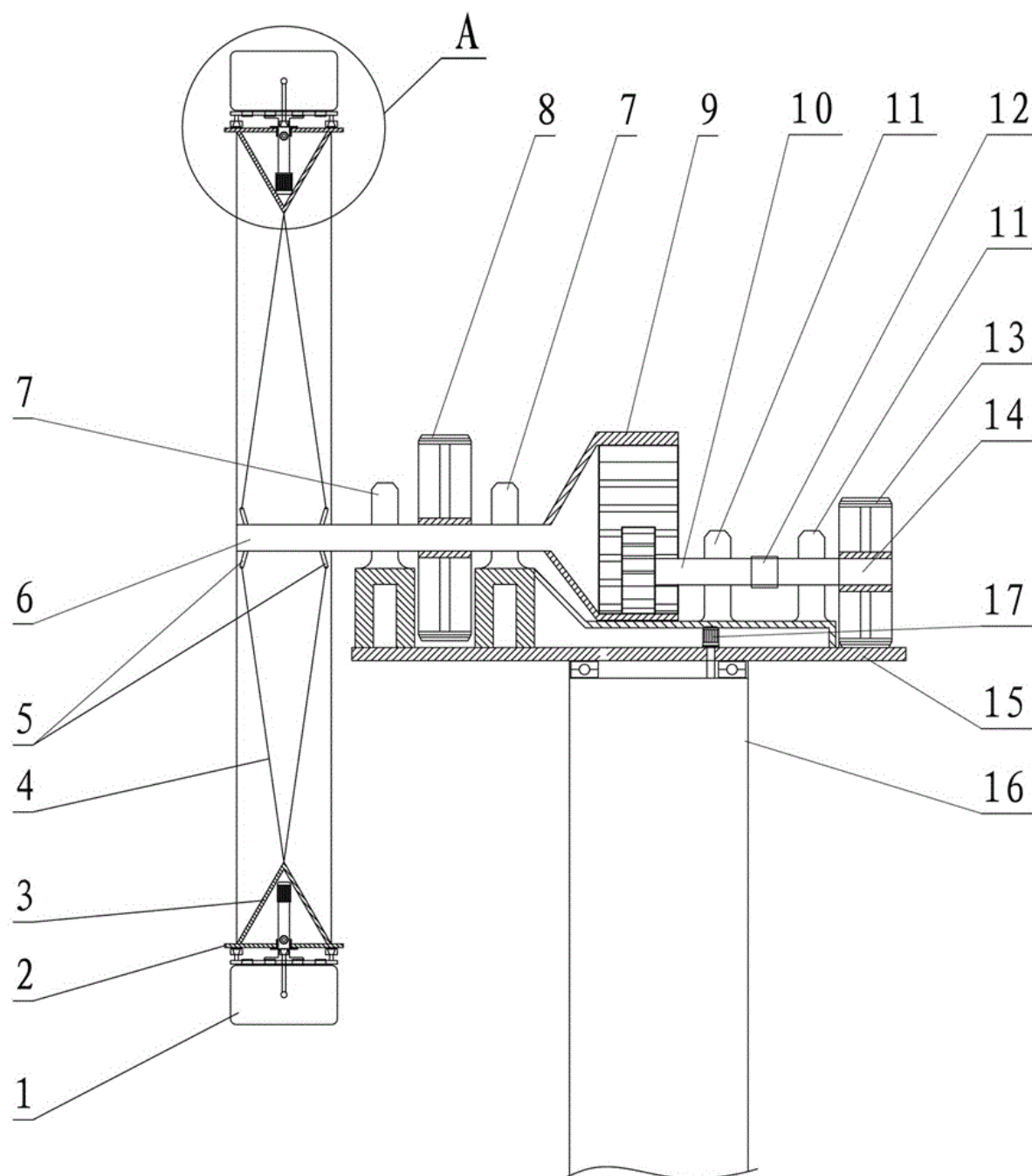
Publication numbers	Title	Current assignees
CN110005575 A	Full-blade-tip impeller type double-drive efficient wind-driven generator	QI YONGWEI
FR2942508 A1	Blade for horizontal axis type wind turbine, has trajectories represented in layout depicting movement of air along horizontal axis based on distance traveled by point of blade tip or point of blade foot	LARIEPE JEAN LOUIS
EP2446141 A1	Wind turbine	KEAN W STIMM, ...
KR20130085122 A	Aerogenerator Having Impact Absorbing Unit	SAMSUNG HEAVY INDUSTRIES
EP3620651 A1	Blade transportation support	JIANGSU GOLDWIND SCIENCE & TECHNOLOGY
EP3029315 A1	Wind power generation tower provided with gyromill type wind turbine	ODIN ENERGY

Family 1/6 - FAMPAT - ©Questel

Title

(CN110005575)

Full-blade-tip impeller type double-drive efficient wind-driven generator

Images**Publication numbers with kind code & date**

CN110005575

A

2019-07-12

CN110005575

**Abstract**

(CN110005575)

The invention aims to provide a full-blade-tip impeller type double-drive efficient wind-driven generator. The problem that an impeller of an existing full-blade-tip impeller type wind-driven generator only drives one generator, a transmission shaft is too long, the adaptability is poor, the load is difficult to adjust, so that the working efficiency is caused to be low are solved, according to the technical scheme, the inner side of a wheel edge of the full-blade-tip impeller is connected with a double-disc-shaped flange through a stay cable, a main shaft is provided with a front generator and is arranged on a yaw platform through two front bearings, an inner gear ring at the rear end of the main shaft sequentially passes through an outer gear shaft, a clutch and a driven shaft is in transmission connection with the driven shaft, and the rear end of the driven shaft is

connected with a rear generator rotor. The impeller of the generator is reasonable in design, two generators capable of directly driving and semi-direct driving can be utilized, so that the starting wind speed of a single machine is reduced, and the efficiency of the wind-driven generator is improved.

Inventors

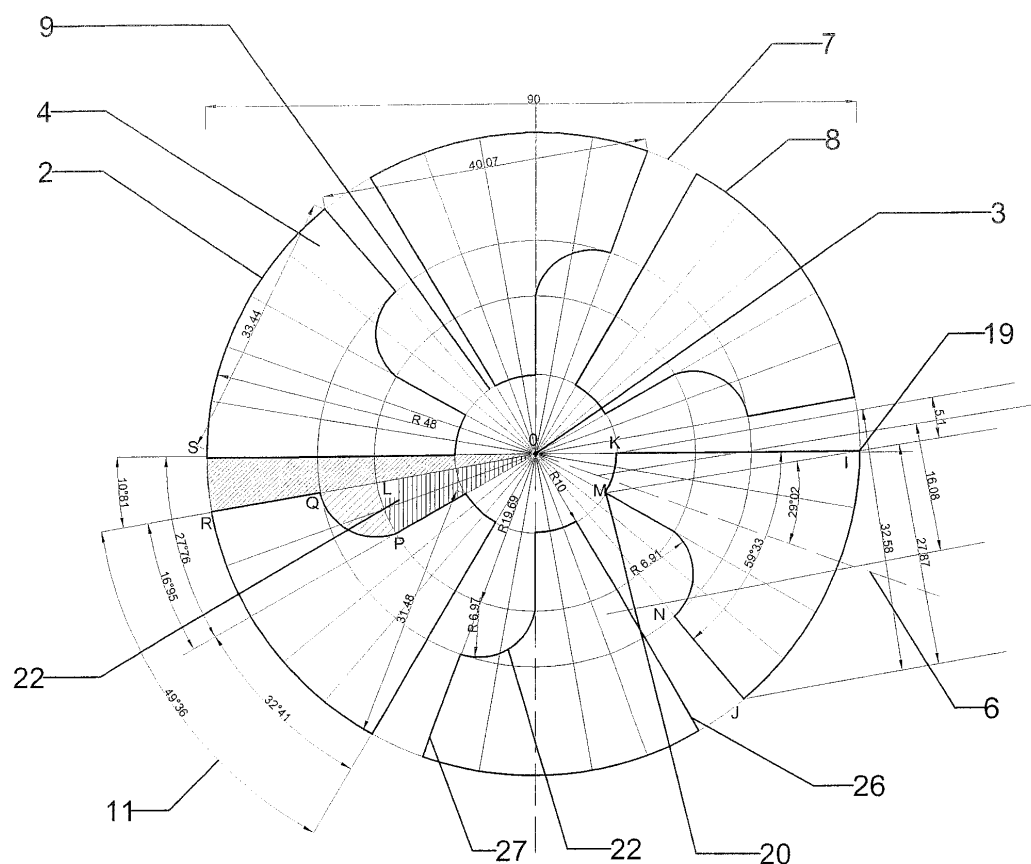
QI YONGWEI

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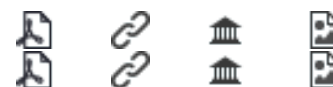
Title

(FR2942508)

Blade for horizontal axis type wind turbine, has trajectories represented in layout depicting movement of air along horizontal axis based on distance traveled by point of **blade tip** or point of blade foot

Images**Publication numbers with kind code & date**

FR2942508	B1	2012-09-28	FR2942508
FR2942508	A1	2010-08-27	FR2942508

**Abstract**

(FR2942508)

The blade (2) has sheets (4) that are superposed and spaced by spacers. A continuous spiral is formed between a blade foot and a **blade tip** (8) such that an angle between tangent average to the blade foot and another tangent average to the **blade tip** is equal to an angle between trajectory from a point of the **blade tip** and another trajectory from a point of the blade foot. The trajectories are represented in a layout depicting movement of air along a horizontal axis (3) based on distance traveled by the point of the **blade tip** or the point of the blade foot. The spacers are made of magnesium or composite material. The sheet is made of metal, carbon fiber or Kevlar(RTM: para-aramid synthetic fiber). An independent claim is also included for a wind turbine comprising blades that are regularly spaced around a central core.

(From FR2942508 A1)

Inventors

LARIEPE JEAN LOUIS

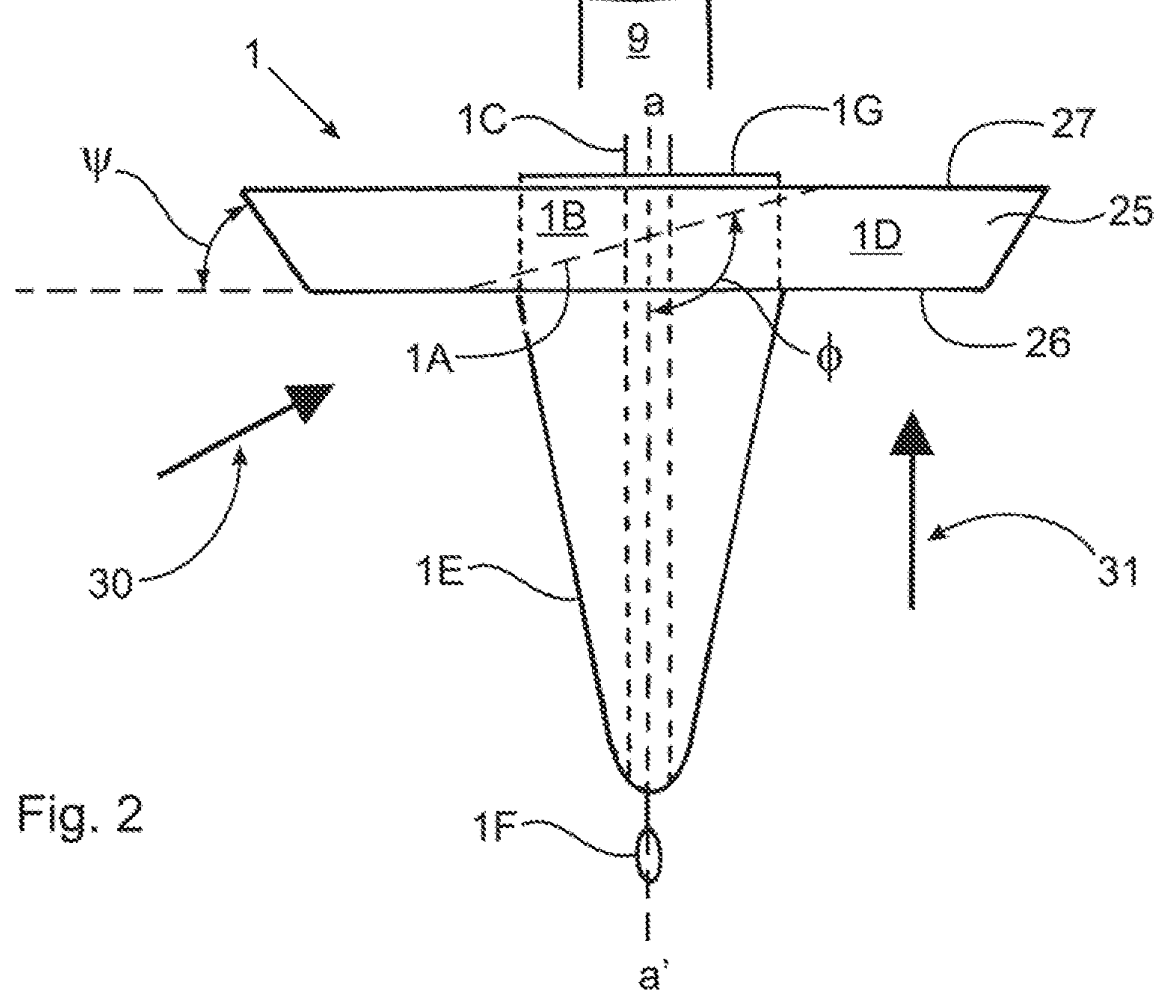
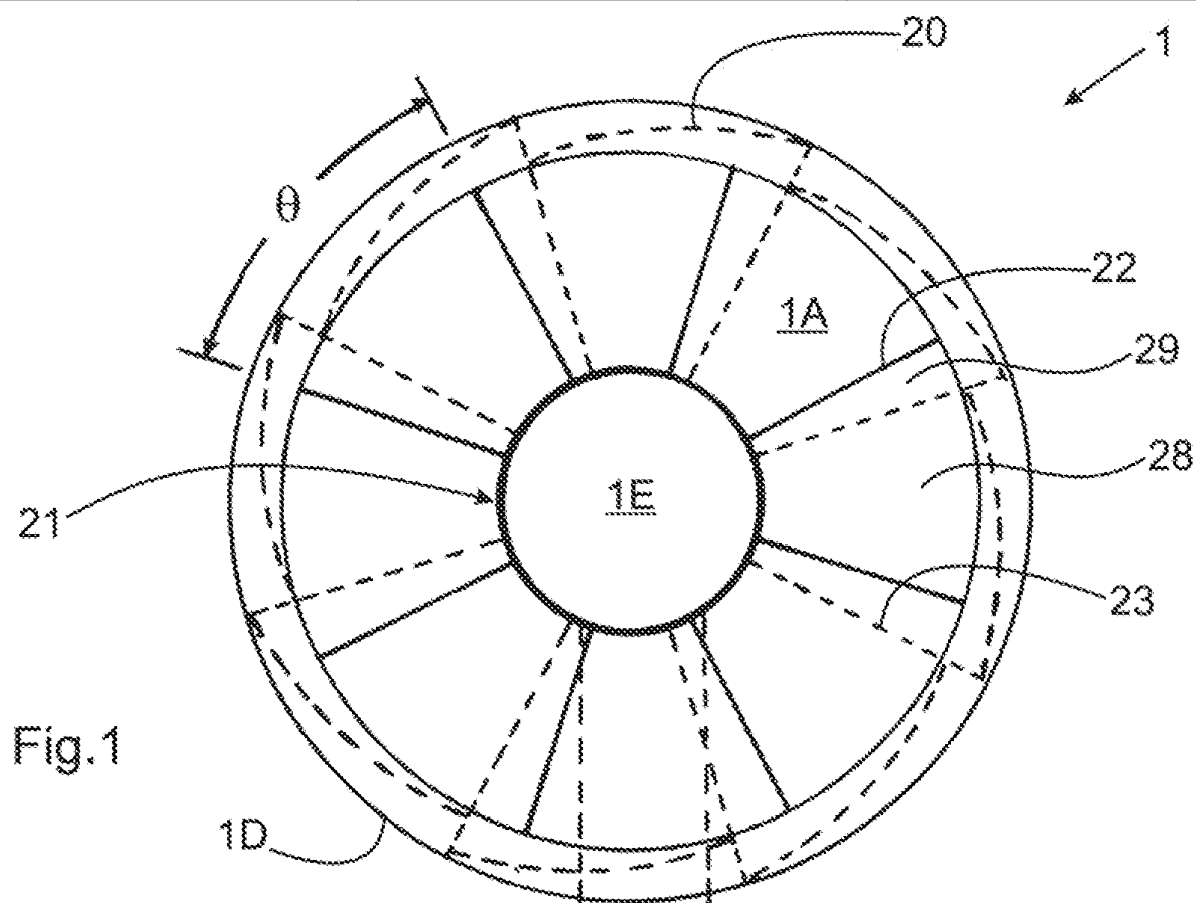
Family 3/6 - FAMPAT - ©Questel

Title

(EP2446141)

Wind turbine

Images



Publication numbers with kind code & date

IN324660
EP2446141
CN102483033

B 2019-11-07
B1 2018-02-28
B 2016-05-18

IN-324660
EP2446141
CN102483033B



CA2766068	C	2016-03-29	CA2766068				
AU2010264534	B2	2015-07-09	AU2010264534				
IN542DEN2012	A	2015-06-12	IN2012DN00542				
RU2531478	C2	2014-10-20	RU2531478				
EP2446141	A4	2014-05-28	EP2446141				
NZ597642	A	2013-10-25	NZ-597642				
RU2012102010	A	2013-07-27	RU2012102010				
ZA201200403	B	2013-03-27	ZA201200403				
CL2011003215	A1	2012-08-31	CL201103215				
CN102483033	A	2012-05-30	CN102483033				
EP2446141	A1	2012-05-02	EP2446141				
MX2011013734	A	2012-04-20	MX2011013734				
AU2010264534	A1	2012-02-09	AU2010264534				
CA2766068	A1	2010-12-29	CA2766068				
WO2010/151540	A1	2010-12-29	WO2010151540				

Abstract

(EP2446141)

The present invention is a wind turbine having a set of curved blades mounted on a central rotatable hub. An enclosure surrounds and is attached to the tips of the blades. The enclosure is arranged to rotate with the hub and the blades. The blades have a fixed pitch such that a pitch angle of each of the blades at the tip end is from 50 degrees and 75 degrees to a rotational (central) axis of the hub. A pitch angle of each of the blades at a hub end is defined by a product of a ratio, of a hub radius divided by a turbine radius, multiplied by a pitch angle at the tip. The blade is provided with a compound curve that causes the blade to fall away from an angle of apparent wind (the angle of the wind seen by the moving blade) impinging upon the blade at a wind entry location of the blade. The turbine is further provided with an apparatus that controls speed of rotation of the turbine so that the angle of the apparent wind to the blades can be adjusted relative to the pitch angle of the blades to obtain at least 50% of maximum energy that can be extracted using the turbine.

Inventors

STIMM KEAN W

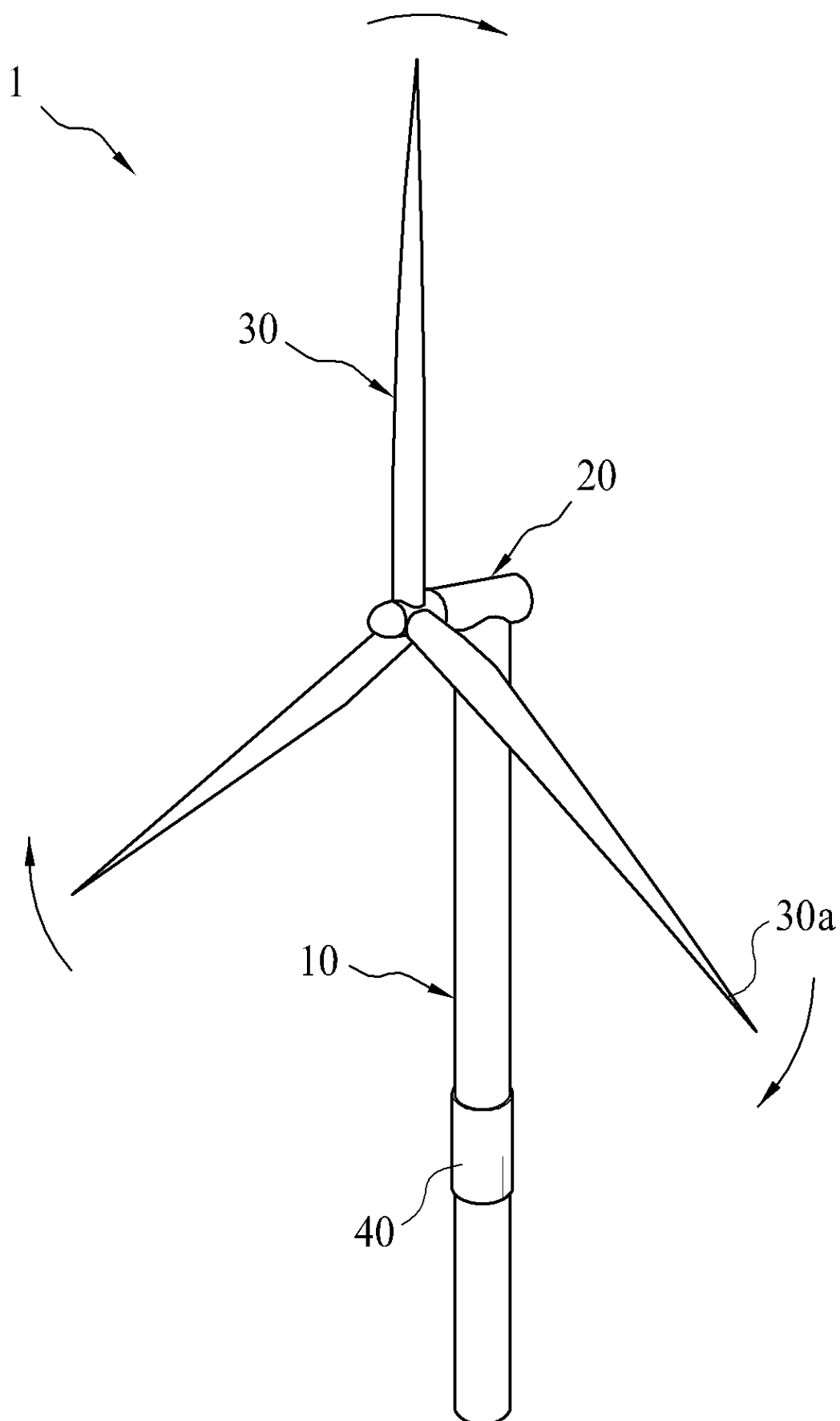
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Title

(KR101348619)

Aerogenerator Having Impact Absorbing Unit

Images



[KR101348619](#)

B1

2014-01-16

KR101348619

[KR20130085122](#)

A

2013-07-29

KR20130085122

**Abstract**

(KR20130085122)

PURPOSE: A wind power generator with an impact absorbing unit is provided to prevent physical impact between blades and a tower by installing the impact absorbing unit in the tower.

CONSTITUTION: A wind power generator with an impact absorbing unit (40) comprises a vane, a nacelle (20), and a tower (10). The vane comprises multiple blades (30) and is rotated by external force in one direction. The nacelle has a rotary shaft of the vane and a power generation part for generating electricity by the rotation of the vane. The tower supports the nacelle. The shock absorbing unit is formed at a position of the tower corresponding to blade tips (30a) when the blades are adjacent to the tower, and rotates in a direction same as the rotation direction of the blades.

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Inventors

JUNG, JAE-HO

KIM, GI-HYUN

KIM, JI-HOON

PARK, EO JIN

SHIN, Sang Myung

Latest standardized assignees - inventors removed

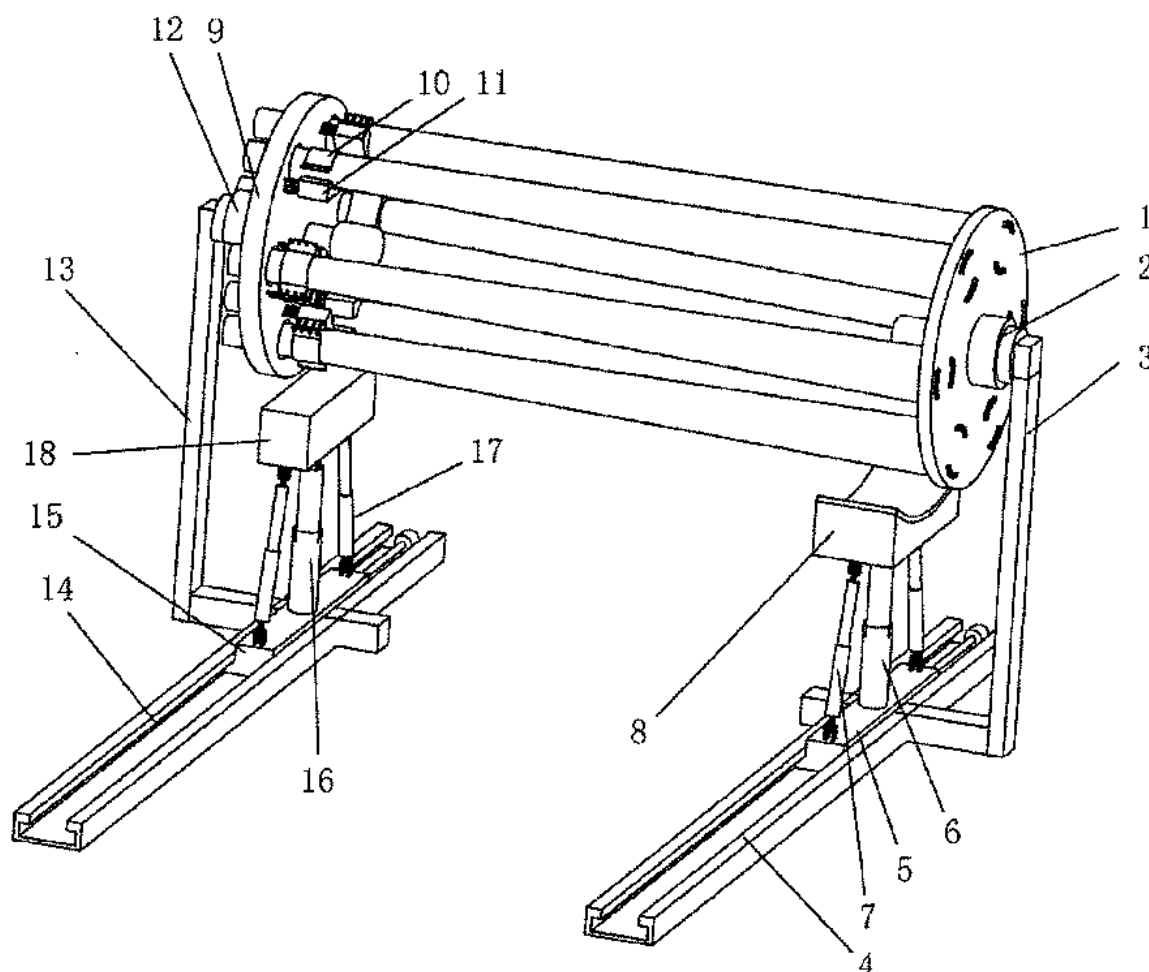
SAMSUNG HEAVY INDUSTRIES

Family 5/6 - FAMPAT - ©Questel

Title

(EP3620651)

Blade transportation support

Images**Figure 1****Publication numbers with kind code & date**

EP3620651	A1	2020-03-11	EP3620651
CN108843519	B	2020-01-31	CN108843519B
AU2018414992	A1	2020-01-16	AU2018414992
WO2020/000823	A1	2020-01-02	WO202000823
CN108843519	A	2018-11-20	CN108843519

**Abstract**

(EP3620651)

A blade transport holder for supporting multiple blades is provided according to the present application. The blade transport holder includes a first support assembly and a second support assembly. The first support assembly includes a first support frame and a first support member rotatably arranged at the first support frame, and the first support member is configured to fix root portions of the multiple blades; the second support assembly includes a second support frame and a second support member rotatably arranged at the second support frame, the second support member faces the first support member, and the second support member is configured to fix tip portions of the multiple blades. In a state that the multiple blades are mounted at the blade transport holder, the first support member and the second support member are synchronously rotatable. With the blade transport holder according to the present application, multiple blades can be transported at one time by a single blade transport holder.

Inventors

SHEN XINGXING

ZHANG ZHU

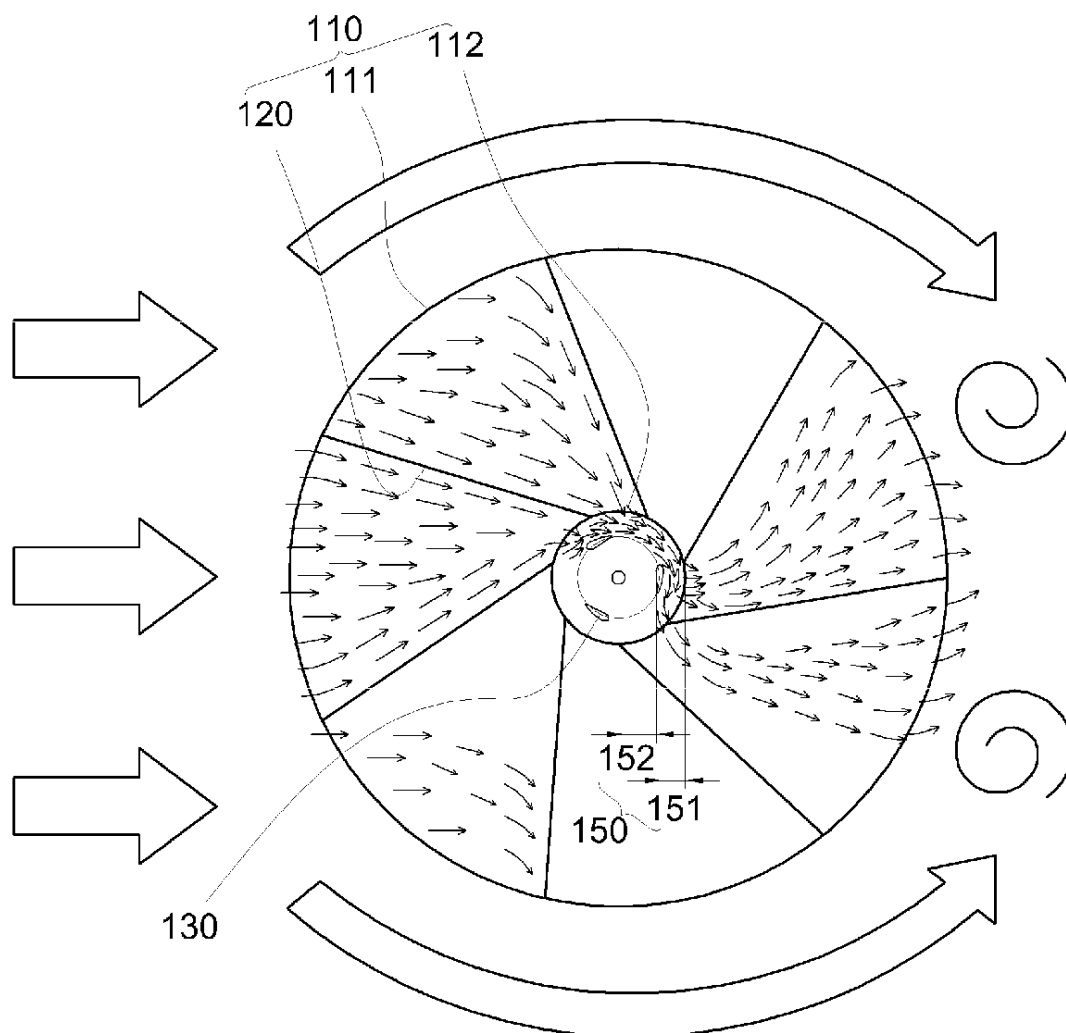
ZHAI ENDI

ZHANG XINGANG

Latest standardized assignees - inventors removed

JIANGSU GOLDWIND SCIENCE & TECHNOLOGY

Images



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CN105452648	B	2018-07-20	CN105452648B				
RU2654550	C2	2018-05-21	RU2654550				
AU2013395801	B2	2018-05-10	AU2013395801				
RU2016103276	A	2017-09-07	RU2016103276				
BR112016002308	A2	2017-08-01	BR112016002308				
EP3029315	A4	2017-03-29	EP3029315				
CL2016000265	A1	2016-12-02	CL201600265				
MX2016001487	A	2016-09-14	MX2016001487				
JP2016525186	A	2016-08-22	JP2016525186				
IN201637003242	A	2016-07-01	IN201637003242				
US20160186720	A1	2016-06-30	US20160186720				
EP3029315	A1	2016-06-08	EP3029315				
VN47249	A	2016-05-25	VN--47249				

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AU2013395801	A1	2016-02-18	AU2013395801				
BR112016002308	A1	2016-02-16	BR112016002308				
CA2919986	A1	2015-02-05	CA2919986				
WO2015/016444	A1	2015-02-05	WO201516444				

Abstract

(EP3029315)

The present invention discloses a wind power generation tower. The wind power generation tower, according to various embodiments of the present invention, comprises: a wind collection unit and an energy conversion unit, wherein wind power generation can be implemented by accelerating wind speed even for low speed wind and simultaneously increasing the utilization efficiency of the wind which rotates blades, thereby improving overall power generation efficiency.

Inventors

SONG SOO YUN

Latest standardized assignees - inventors removed

ODIN ENERGY