

Title (en)

MULTI BLADE WIND TURBINE, WHOLE BLADE, LOW SPEED AND NOISE VERTICAL OR HORIZONTAL MODE

Title (de)

MEHRSCHAUFELWINDTURBINE, GESAMTSCHAUFELMODUS, LANGSAMER MODUS UND GERÄUSCHVERTIKAL- ODER - HORIZONTALMODUS

Title (fr)

TURBINE ÉOLIENNE À PALES MULTIPLES, PALE COMPLÈTE, À MODE HORIZONTAL OU VERTICAL À BASSE VITESSE ET FAIBLE BRUIT

Publication

**EP 3146202 A1 20170329 (EN)**

Application

**EP 15708876 A 20150206**

Priority

- GR 20140100072 A 20140207
- GR 2015000007 W 20150206

Abstract (en)

[origin: WO2015118361A1] Multi blade wind turbine, whole blade, low speed and noise which may be placed in horizontal or vertical operating position with main characteristic that at each of its ends (2) a flange (3) is mounted and joined together by four tubes - pillars (4), per ninety degrees. In the center of the flanges (3) the polygonal-axis vector (6) of the blades (7) is supported and rotates within bearings (5). These blades (7) are extending all along the shaft and are made of aluminum or stainless foil formed accordingly or any other suitable material such as fiberglass, carbon, etc., supported by epoxy resins. At the one end of the shaft (6) connects the generator (8) and the battery (9) is placed, in case of autonomous operation. In order to provide safety during its operation it is enclosed by dense grid (10), creating a frame around the turbine. In case of installation of wind turbines series on motorways, the top of the wind turbine is appropriately configured for the placement of luminaires (11) and / or circular frame (12) and in case of installation on the roof edges (Figure 6) by replacing metal protection railing, it can operate as an autonomous power unit or connected in parallel to the grid.

IPC 8 full level

**F03D 3/00** (2006.01)

CPC (source: EP GR)

**F03D 3/00** (2013.01 - GR); **F03D 3/002** (2013.01 - EP); **F03D 3/005** (2013.01 - EP GR); **F05B 2240/14** (2013.01 - EP); **F05B 2260/63** (2013.01 - EP); **Y02B 10/30** (2013.01 - EP); **Y02E 10/74** (2013.01 - EP)

Citation (search report)

See references of WO 2015118361A1

Cited by

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