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Search 1: SFT=(eolic and generator and cam and vertical and rotary and blade) (Results 1)
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1) Family number: 65975370 (BR202015027670U)

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DISPOSICAO CONSTRUTIVA APLICADA EM TORRE EOLICA COM TURBINA DE EIXO VERTICAL CONSTRUCTIVE DISPOSITION APPLIED IN EOLIC PLANT TOWER WITH VERTICAL SHAFT TURBINE (MACHINE TRANSLATION)

Abstract: Source: BR202015027670U RESUMO 'DISMISCAO CONSTRUTIVA AP1TCADA UM TORRE I OI. K A COM TURBINA DE TINO VI R I K Aiuma eovuiuva unica c especifica, compreendendo um modulo da turbina, um modulo plataforma c um ou rnais da tow de elevacao, eujo processo de fabricacao e relarivamente simples c sua disposicao construtiva foi idealizada para facilitar a construcao e a montagem da referida lorre eoltea, A presente tone eolica apresenta uma serie de vantagens em relacao existentes no mercado, como por exemplo a facilidade construtiva dos modulos que sao leves e ao mesmo tempo reforcados, devido estruturacao em "X" dos elementos de amarracao, eomo tambem do rotor i 12) da turbina que possui Ranges sextavados (I K) que faeilitam a soidagem no eixo (17 Esta torre eolica apresenta estrutura geometrica retangular, disposta verticalmente, de modo que ocupa uma area de solo muito pequena, podendo ainda ser instalada ate sobre lajes, pois e composta por poucos perfis metalicos verticais e horizontais, constituindo-se uma estrutura relativamente leve para o porte da torre. HGURAOi Abstract ' DISMISCAO constructive AP1TCADA a tower I hi. K A with turbine of Tino VI R I K got Eovuiuva unique C specifies, comprising a turbine module, a module Plataiorma C one or Rnais of the tow of elevation, Eujo manufacturing process and Relarivamente simple C its constructive disposition has been designed to facilitate the construction and mounting of the said Lorre Eoltea, the present tone Eolic plant presents a series of advantages in the market, for example, the constructive ease of the modules that are lightweight and at the same time, due to structure in "X" of the tying elements, Eomo also of the impeller I 12) of the turbine that has hexagonal ranges (i k) that faeilitam the Soidagem on the axle (17 This eolic plant tower features rectangular geometric structure, willing vertically, so that occupies a very small soil area It can still be installed on slabs, as it consists of a few vertical and horizontal metallic profiles, constituting a relatively lightweight structure for the Porte of the tower. HGURAOi

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2) Family number: 42930051 (US2010322768A)

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VARIABLE-GEOMETRY BLADE FOR AN EOLIC GENERATOR

Abstract: Source: US2010322768A The variable-geometry blade for use in a wind driven mechanism comprises a fixed blade portion and a movable winglet portion connected to said fixed blade portion and moveable with respect to said fixed blade portion along a direction substantially transverse to the axis of said fixed blade portion. A guide means is provided to guide the movement of said movable winglet portion with respect to said fixed blade portion, and an actuator means is provided for moving said movable winglet portion with respect to said fixed blade portion between a retracted position and an extended position. The actuator means controls the extension of the movable winglet portion when there is no wind or when the wind is blowing at low speed, and controls the retraction of the movable winglet portion when the wind is blowing at high speed, whereby the movable winglet portion can be moved in an extended position in order to co-operate with said fixed blade portion for increasing the thrust surface at low wind speed, thus allowing a significant increase of the amount of wind power which can be converted into another form of useful power, and the movable winglet portion can be moved in a retracted position at high wind speed in order to reduce the stress at the root of the fixed blade portion, thus allowing the blade to operate within an extended operating range of wind speed.

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