

Title (en)

ELECTRICAL ENERGY GENERATING INSTALLATION DRIVEN AT VARIABLE ROTATIONAL SPEEDS, WITH A CONSTANT OUTPUT FREQUENCY, ESPECIALLY A WIND POWER INSTALLATION

Title (de)

DREHZAHLVARIABLE ANGETRIEBENE ELEKTRISCHE ENERGIEERZEUGUNGSANLAGE MIT KONSTANTER AUSGANGSFREQUENZ, INSBESONDERE WINDKRAFTANLAGE

Title (fr)

INSTALLATION DE PRODUCTION D'ÉNERGIE ÉLECTRIQUE À VITESSE DE ROTATION VARIABLE, À FRÉQUENCE DE SORTIE CONSTANTE, EN PARTICULIER UNE ÉOLIENNE

Publication

**EP 2422420 A1 20120229 (DE)**

Application

**EP 10718473 A 20100420**

Priority

- EP 2010002407 W 20100420
- AT 6042009 A 20090420

Abstract (en)

[origin: WO2010121783A1] The invention relates to an energy generating installation, especially a wind power station, comprising a drive shaft connected to a rotor (1), a generator (8) and a differential transmission (11 to 13) provided with three drives or outputs. A first drive is connected to the drive shaft, an output is connected to a generator (8), and a second drive is connected to an electrical differential drive (6, 14). The differential drive (6, 14) is connected to a network (10) by means of a frequency converter (7, 15) comprising an electrical energy accumulator in the direct-current intermediate circuit.

IPC 8 full level

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Citation (search report)

See references of WO 2010121783A1

Citation (examination)

- DE 10335575 A1 20050317 - SIEMENS AG [DE]
- CASELITZ P ET AL: "Drehzahlvariable Windkraftanlagen mit elektrisch geregelter Ueberlagerungsgetriebe", 1 January 1992, DEUTSCHES WINDENERGIE-INSTITUT -DEWI-, WILHELMSHAVEN: DEWEK '92. TAGUNGS,, PAGE(S) 171 - 175, XP009172672

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DOCDB simple family (publication)

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**EP 2010002407 W 20100420**; AT 6042009 A 20090420; AU 2010238787 A 20100420; BR PI1009904 A 20100420; CA 2759430 A 20100420; CN 201080017362 A 20100420; EP 10718473 A 20100420; KR 20117024618 A 20100420; US 201013265053 A 20100420