

Title (en)

SYSTEM OF CONVERSION OF WIND ENERGY TOWARD ELECTRIC ENERGY, BY A HIGH ALTITUDE GENERATOR

Title (de)

SYSTEM ZUR UMWANDLUNG VON WINDENERGIE IN ELEKTRISCHE ENERGIE DURCH EINEN GENERATOR IN GROSSER HÖHE

Title (fr)

SYSTÈME DE CONVERSION DE L'ÉNERGIE ÉOLIENNE EN ÉNERGIE ÉLECTRIQUE, PAR UN GÉNÉRATEUR HAUTE ALTITUDE

Publication

EP 3589837 A1 20200108 (EN)

Application

EP 18719317 A 20180228

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- IT 2018050031 W 20180228

Abstract (en)

[origin: WO2018158789A1] The present invention is lays in the sector of renewable energies, specifically the High Altitude Wind Energy sector, the so-called Airborne Wind Energy (A.W.E.). It consists of a system of conversion of wind energy into electrical energy that exploits the alternate motion, along a given path, of a unit placed on the ground and driven by a power wing profile, proposing to optimize the energy conversion method wind power in electricity - based on the flight of wings or kites bound with cables to the ground, for high altitude wind generators, by solving or significantly mitigating the problems of current generators, where at each "active" phase of energy production follows a "passive" phase which brings the energy production to "0" for several minutes, stopping or reversing the movement of the moto-generators - which move away considerably from the maximum yield curves.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

See references of WO 2018158789A1

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