

Abstract**METHOD AND SYSTEM FOR CONVERTING WIND ENERGY**

The invention relates to the field of energy, in particular to devices converting wind energy into electricity. The wind energy conversion method into electrical energy consisting in that the wind energy is converted by means of receivers 10 mounted on the casing of moving wind energy conversion modules 9, moving linearly along the guide belt 1, into movement energy of wind energy conversion modules 9 and electric energy by means of electrical energy generating device, mounted on the casing. Wherein there is performing continuous control, depending on the external conditions of the total area of all wind energy receivers 10 guided to the guide belt 1. In particular embodiments, there is performing continuous control, depending on the external conditions of setting angles of the wind energy receivers 10 relative to the wind energy conversion modules 9, the movement speeds of the wind energy conversion modules 9, the aerodynamic profile, and the area of each wind energy receiver 10, for which it is preferable to use wings with a composite aerodynamic profile, including the main profile, and at least one tilt flap. Also the system for the method embodiment is claimed.

(No Suitable Fig.)