

Title (en)

APPARATUS FOR CONVERTING ENERGY FROM AN OSCILLATING MOVEMENT INTO ELECTRICAL ENERGY, AND ARRANGEMENT

Title (de)

VORRICHTUNG ZUM UMWANDELN VON ENERGIE AUS EINER OSZILLATORISCHEN BEWEGUNG IN ELEKTRISCHE ENERGIE SOWIE ANORDNUNG

Title (fr)

DISPOSITIF POUR CONVERTIR L'ÉNERGIE RÉSUANT D'UN MOUVEMENT OSCILLANT EN ÉNERGIE ÉLECTRIQUE ET SYSTÈME CORRESPONDANT

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Application

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Abstract (en)

[origin: WO2011131188A2] The invention describes an apparatus for converting energy from an oscillating movement into electrical energy, in particular from an oscillating movement which is caused by waves of water, having a base body (1) which is designed to execute an oscillating movement as a result of an external oscillating force which acts on the base body (1), a conversion mechanism which is designed to convert the oscillating movement of the base body (1) into a rotary movement of a conversion element about a rotation axis, wherein a main axis of the conversion mechanism is formed to be substantially upright irrespective of the state of inclination of the base body (1) during the oscillating movement, and a generator unit which is designed to convert energy from the rotary movement of the conversion element about the rotation axis into electrical energy. The invention also describes an arrangement having a plurality of apparatuses for converting energy from an oscillating movement into electrical energy.

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