

Device for Propulsion and Energy Conversion from Waves

ABSTRACT

A device (10) for propulsion and for conversion into energy of wave movement comprising a floating structure (1), a keel (2) mounted mobile on the floating structure, along a sliding movement along a heaving axis (Z), a means for transmission of the relative movement of said keel to at least one electrical converter for converting the mechanical energy of said movement into electrical energy, a flap (3) connected by a hinged system (A1, A2, A3) to the keel and to the floating structure (1), where said flap is configured for being positioned under the surface of the water, laid out so as to follow the oscillations of said keel by oscillating rotation under the action of wave movements, and generating a propulsion force directed towards the center of gravity of said floating structure.

Fig. 2