



Device for harnessing sea wave-power into electricity

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Abstract

Croatian inventor in the field of alternative energy sources is offering innovative wave power harnessing device with particular emphasis on the ecology. The main advantages of the proposed technology are its adaptability to different locations, low cost and increased efficiency compared to existing technologies. Partner for technical co-operation and commercialization of the innovation is sought.

Description

This invention relates to a device for producing electricity. It provides mechanical solution of the efficient use of both directions of the lever movement regardless of its length (oscillation) of movement i.e. wave height. The invention transfers kinetic power to the main axis and it offers a possibility to fully use its total weight by evading the wave below the buoy and returning of the movable lever.

The innovation opens up the possibility of mounting a desired number of levers on the shaft, resulting by enhanced power, which will, by appropriate transmission, be directed to the device for production of electricity.

Demonstration model with an additional device for improvisation of sea waves can be demonstrated at the exhibition in length 1100 mm, width 350 mm and height 700mm.

The invention enables virtually continuous and unlimited use of waves.

Innovations and advantages of the offer

Advantages of the offer:

- it is adaptable to very inaccessible locations
- it can be economically produced
- it can be transported in smaller constituent parts
- it does not require expensive procedures for device carrier

- it can operate at low sea waves
- it is environmentally completely acceptable
- it can be incorporated into any environment
- it can significantly compensate for the lack of ever more needed electricity.

The invention has proven its functionality with an improvised model (small prototype).

Current and Potential Domain of Application

Innovation can be used in all locations near the sea (islands, mainland). The best results will be on areas where sea waves are frequent. With a large number of interconnected devices, a smaller town may be supplied with electricity. Less populated islands, where sea waves are frequent, could have a sufficient supply of electricity.

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For further information (including IPR status)

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