ABSTRACT

BUOYANT SEALED WAVE ENERGY CONVERSION SYSTEM WITH HYDRAULIC MEANS

A wave energy conversion system having at least one buoyant sealed enclosure, each enclosure containing at least one ram weight and hydraulic piston assembly connected to a hydraulic system to drive a hydraulic motor and an electric generator to generate electricity. The hydraulic pressure is created by the hydraulic piston assembly as the ram weight is moved by gravity in a linear forward and backward motion along a fixed axis as the buoyant sealed enclosure sways with the river, sea or ocean waves.

For an application of the present invention, please refer to **Fig. 1B**.

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