

The invention relates to water power engineering, in particular to wave power plants.

The wave energy converter comprises a wave pump (1) with supply (2) and discharge (3) valves, provided with spring elements (5) for fastening to the bottom of a water space, a jacket (15), made of dielectric material, wherein are placed a lifting vertical pipeline (4), fixed with the lower end to the pump (1), and its upper end communicates with a reservoir (6), made of dielectric material, two drainage pipelines (7), the upper ends of which communicate with the reservoir (6), a discharge pipeline (16), the upper end of which communicates with the reservoir (6) and is installed above the upper end of the pipeline (4), and its lower end communicates with the water space. The converter also comprises two cylindrical metal capacities (9), disposed outside the pipeline (4), each being provided on the outside with a dielectric sheath (10). In the upper part the capacities (9) communicate with the reservoir (6) through the drainage pipelines (7), equipped with nozzles (11), and the lower part of the capacities (9) is provided with pipelines (19) for communication with the water space, at the same time the discharge pipelines (7) and pipelines (19) are provided with dielectric substrates (8). Inside the capacities (9), below the nozzles (11) is installed an ionizing electrode (12) and a charge collector (13), made in the form of a grid and connected to the metal body of the capacity (9), each ionizing electrode (12) being connected by means of high-voltage connectors (14) to the metal body of the opposite capacity, and the metal bodies of the cylindrical capacities (9) are connected to connectors (17) for connection of the consumer.

Claims: 1

Fig.: 2

