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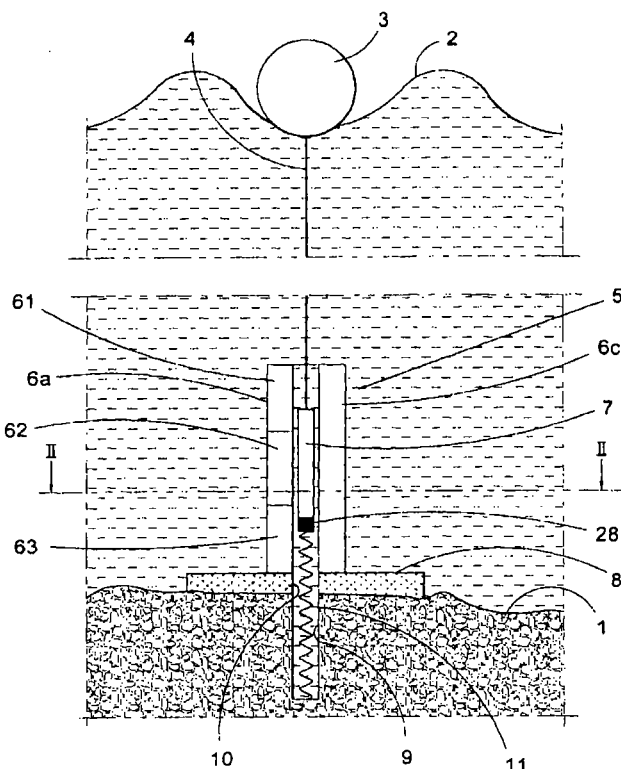
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(54) Title: A WAVE-POWER UNIT AND THE USE OF A WAVE-POWER UNIT FOR PRODUCTION OF ELECTRIC POWER, A METHOD OF GENERATING ELECTRIC POWER AND A SYSTEM OF COMPONENTS FOR MANUFACTURING A LINEAR GENERATOR FOR A WAVE-POWER UNIT



(57) Abstract: The present invention relates to a wave-power unit having a floating body (3) which is connected by a connection means (4) to the rotor (7) of an electric linear generator (5). The stator (6) is anchored in the sea bed (1). In accordance with the invention the rotor (7) is permanently magnetic and the stator (6) comprises winding forming a plurality of poles distributed in the direction of movement of the rotor. The invention also relates to a wave-power plant composed of a number of wave-power units in accordance with the invention. The invention also relates to the use of the claimed wave-power unit, a method of generating electric energy, a system of components for the manufacture of a linear generator for a wave-power unit in accordance with the invention, and to a method of manufacturing such a linear generator.



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