

Title (en)

SYSTEM FOR THE EXPLOITATION OF TIDAL- AND RIVER CURRENT ENERGY

Title (de)

VORRICHTUNG ZUR NUTZUNG DER GEZEITEN- UND FLUSSTRÖMUNGSENERGIEN

Title (fr)

SYSTEME D'EXPLOITATION DE L'ENERGIE MAREMOTRICE ET DE L'ENERGIE FLUVIALE

Publication

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Application

EP 00935736 A 20000602

Priority

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Abstract (en)

[origin: WO0192720A1] The invention concerns a plant for the production of electric energy from ocean- and river currents. The plant is completely submerged below the surface of the water and comprises several turbines (A) with blades (G), a carrying assembly (C), a backstay system (E) and a generator. The shafts of the turbines (A) are oriented perpendicular to the direction of the water flow and the blades (G) are shaped as wings, such that the turbine (A) rotates in the same direction regardless of the direction of the flow. The turbine shafts are supported in a framework with buoyant vessels (B) secured to the carrying- and bearing system. The plant is built from modules.

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