

Title (en)
DRIVING ENGINE (WATER TURBINE) OF HYDROKINETIC FLOATING POWER PLANT WITH ENHANCED EFFICIENCY DEGREE, AND
HYDROKINETIC FLOATING POWER PLANT MODULE

Title (de)
ANTRIEBSMOTOR (WASSERTURBINE) EINES HYDROKINETISCHEN SCHWIMMENDEN KRAFTWERKS MIT ERHÖHTEM EFFIZIENZGRAD
UND MODUL EINES HYDROKINETISCHEN SCHWIMMENDEN KRAFTWERKS

Title (fr)
MOTEUR D'ENTRAÎNEMENT (TURBINE À EAU) POUR CENTRALE ÉLECTRIQUE FLOTTANTE HYDROCINÉTIQUE À TAUX D'EFFICACITÉ
ÉLEVÉ, ET MODULE DE CENTRALE ÉLECTRIQUE FLOTTANTE HYDROCINÉTIQUE

Publication
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Application
EP 10722403 A 20100222

Priority
HR 2010000004 W 20100222

Abstract (en)
[origin: WO2011101693A1] The invention concerned relates to improvement of hydrokinetic floating power plant (1) efficiency degree by defining of individual parameters of driving engine (13). Details and parameters of driving engine assembly (13) which contribute to enhancement of efficiency degree relate to determination of optimal gaps z and z' between blades (6) and internal planes (15) and (16) of driving engine (13) channel. Determination of optimal ratio of submerged part of blade (6) height in liquid and part of blade (6) height above liquid surface with respect to outside water line level before water flow enters confusor (10), determination of dimensions and form of confusor (10) and diffusor (11), as well as determination of distance t between blades (6) and number n simultaneously submerged blades (6) in channel (14) of driving engine (13) by which are accomplished more constant forces acting by liquid upon blades.

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Citation (search report)
See references of WO 2011101693A1

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