

Review Article

Tidal-Current Fashions are Commonly Semi-Closed Bays, Minimally Affected by using Ocean Currents

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Abstract

A novel hydro-kite like ocean power converter is proposed in this paper to harness each ocean contemporary and $gc^{A}^{+*}t^{A} e^{A} = \frac{1}{2} e^{A} e^{A$

I [¶]c

e a o o co e a , a e d,o- e ca be ed o ge e, a e e, g f,o eac ocea c g-edge a d/a e a o a d e d ag, a a, a e e, of e d,o- e c a e e, ec. e of a a c, d,a be o a co , o ed o, de g ed o a e e ocea , e g ge e, a o be o/ d c. e ocea , e e da eed, / a e e, a a d e g . Ocea / a e a d c , , e o e e o, ca e e, a a d e g . Ocea / a e a d c , , e o e e o, ca e e, a a d e g . Ocea / a e a d c , , e o e e c, ca e e, a a d e g . Ocea / a e a d c , , e o e e c, c ge e, a o . I e a ed a e , a a o e 0.33 of a e e c, ca e e, g ed e U ed Sae o g o be d, a f,o e e a . Ocea e e c, c a / a o f 10.15% of E, o e a U o , e g de a d , o g 2050, ade a e o e, e g, e a e, a o e d, ed ee o o e . Ocea o e, co e, o gadge ca be a o, - ade o a, c a, / eb e a d fee o ge e, a e o/ co e e c, ca e e, g a d co e e ca e, e fa, g o, e e co e a a o e, ca e, e o g - , ced d e o, o e, a d, a o e .

Dc

A co e e fage ca, a ce, a o of Ga F be, Re fo, ced Pac (GFRP) ad c^o o e ad c ae be ea ado ocea ode, -da oad g ,od ced a e, T/o o, ce of, a do e ocea c, ,, e ad bee e/ed e ca c, a o of fageoad: o e , , b, e ce e ocea ç, , e a d e d e, e e/aeg0e/ e,0/ ebac of eg de aeof e , b e. Caciaed, a do oad g/a o ce ed o ab fage a e e o GFRP a d co o e a d/c co o e age of a bace, go ac e. Fagee e ce of GFRP co o acco a ed a e e, g c a, ac e, c a $e \neq ad$, $e \neq de$ a, e of ec, a e, a of a d'c a e a ea, e - og ca e. efa, e ode, S-Nc, e, a d eco a of a d/c a e /a o ce e e ce fo, a de, ea co e a de a e a oo a a,e add 0 a d c ed. I d, a Pa, ce S/a, O (PSO) a ,0ac / 0 d be ed 0 ed a c,0 ga g a go, ofo, a e c3-d e o a od, ed oc, o e (3DMI) ec `e fo, e a c g e c e c e of e a d g a o e c o b / a of ocea - c, ,, e , o, e e No, Pac, c Ocea . B e a a g e ea -bo, d. o age ba ed o a o e Ocea -C, e (OC) c, g e o e , a, ba ed o e G, ea - C, c e (GC) c, g ca e of d a c e , o e , e, fo, a ce of ocea -go g / o d be d e o e e o o of GC o, OC a g. E e a, e o f g, o e a, e ac , e d , o g g goa a d co , a e goa fea , e of e, o g-o a o od e. E c e d, ec o a g a of e, o g-o a o od e. E, ce d, ec o a g a ece a, d, c fo, e a ga o of ode, -da a ed oo, ca, (USV) c a, ac e, ed , o g a co ca ed, g , o d g a g d a c ba, e, / a a a a, ab e ocea c , e e

fac dec ded , a e Na ga o od e acco, da ce o

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codo, $eeeceeofe_{a}ooed_{a}aeg$ ea, ed e age of / 0 a, a e e, , a e , d, ec 0 e a d co a 0 a e a e e d d e, e 00 / 0, e e e c e b a e , o o ed e od 0 e fo, e, a o a , o e a gof USV. egoa ea of da-c_{ent}e fa o areco o e -coedba, a a ec ed b' gocea come . Fo, e e ode, da come ane a ed co a o a do a a a a a cae ofaco e died o een on e, b g g da ee a o a en o e bo dan e. Ho/ e en / e ocea come ca be e e ea a ea of e, e, c a o e ea coe o coa e, e e a o e co a ocea-c_{int}e o co e e e dac, "e ode.I d, ∕e de eo ed a e, ca a "oac o a a e da c_{un}e co e o coa / e ad of co, o_na g e^{-cac} a ed Ocea $-c_{\mu\nu}e^{-}$, e Ocea $-F_{\mu}$, a ga e^{-cac} , a ed Ocea $-c_{\mu\nu}e^{-}$, a cae of e^{-c} , o a d O e e e ed O be came ed O a d e O a od, ca O e Ocea $-c_{\mu\nu}e^{-}$ eed a e e, g, d fac O, ad bee O ed. Ne , e a a a d e O_ja e_j O a ed O cea - c_j je eed / a O ce c_i ded a fo, c g o e a , a e of e co , e c o e e, od of a da-c, , e a e a g co a o a do a a a a ca e of o ad of o ee, o, e'. e, /e, ed a ,oac o ed, o ofd o ed CO2 ea, c'o To ao a, Jaa, ad coja e e cae ec ad eaje e o adae e o o ed e od I /0, a jo o e ofocea co e oja \mathbf{y}^{O} ed \mathbf{y}^{O} a g ag e c a ea \mathbf{y}^{O} - age \mathbf{y}^{O} o, ge e a $\mathbf{0}$ / a O ce de $e \circ ed$, e e ec, c ca be $e e a ed \circ ab b / a \circ f e e \circ f$ - age,00, , c, ,e [5-7].

I 0, de, 0 e a ce e e e, g of e ,00 e of e age 100, ge e, a 0, e ca a de e, e a e ga o a bee can edo. Saoo e e e a e, fo, a ce e a, a ee, of e, o a g age c beceec, c o/e, ed ge e, a o, , ed o be co d c ed, , c a o, co e of e, a ge of ee,a gageade/dgaa,e,,/de.a,e of dg, ad ed, b o of eee, a g age, ec. e , e g of o ed e ec, c o e, ed ge e, a o, ca be, a ed f, o 1.2 05.7 W. A c ec a $\mu e \neq a$ 0 ce e 0 co de $\mu e \circ e_{\mu}a$ e, fo, a ce of e - age, 00, ge e, a 0, be ea / a e, e a 0 0 co e ac ee e, e a co e e ce / e. e eec, c of eeec, c o/e, ed ge e, a o, e a ded eed e o a e a e b gge, of e g de e oc . We ad oca e a a , oac fo, ec g ocea c , , e e age of a a ca a , oac . e , o o ed e od be e ca fo, e a $g \neq 0$, d eed, e d a d , od c g d ce o de c, be e o b , a e c o, e a d o ca o of a, ce e bedded (c ed So, -e, Lag, a ga eg, a o of e eoc e / a o ce ed o ge e, a e , a o a, ce a o, e e gadge oca A, e , g a go, , , a, ba ed o jed Ma, O Ca eo, , ed O be ca, ed o, O co b e a d e e e a c/o_{j,j}ed e e, a o a a a . Ie, a e , a ege ad bee e ed o, e o, e ee gga ad a, e ea, e ea , oac e ec e ed eg bo, ood , eco, d $(o_{\mu} - e_{\mu} Lag_{\mu}a g a eg_{\mu}a o) o fe_{\mu} / o_{\mu}d_{\mu}a of e e$.

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