



- (51) International Patent Classification:
F03B 13/16 (2006.01) *F03B 13/22* (2006.01)
- (21) International Application Number:
PCT/US2015/025134
- (22) International Filing Date:
9 April 2015 (09.04.2015)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
61/977,371 9 April 2014 (09.04.2014) US
61/988,637 5 May 2014 (05.05.2014) US
62/060,795 7 October 2014 (07.10.2014) US
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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, JP, KE, KG, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG).

Published:

— with international search report (Art. 21(3))

(54) Title: WAVE ENERGY CONVERSION SYSTEM

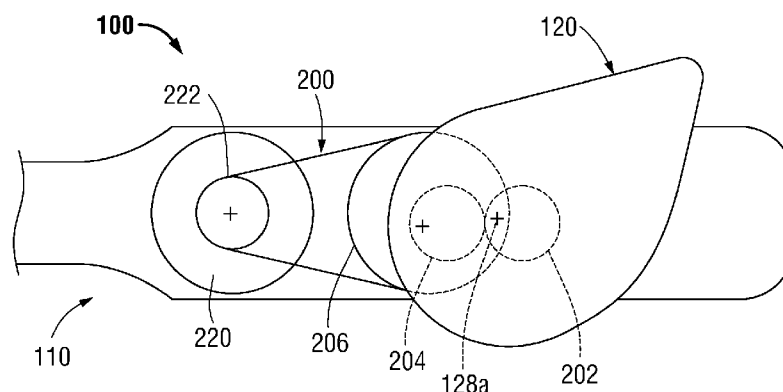


FIG. 4B

(57) Abstract: A wave energy conversion system is provided including a pod, multi-radius energy transmission mechanism, and an electrical generating device. The pod is rotatably supported by a platform structure and the multi-radius energy transmission mechanism is in mechanical communication with the pod. The multi-radius energy transmission mechanism is configured to transmit a variable torque over a range of motion and is in mechanical communication with the electrical generating device.