

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
23 March 2023 (23.03.2023)



(10) International Publication Number
WO 2023/041742 A1

(51) International Patent Classification:
F03B 13/18 (2006.01)

(21) International Application Number:
PCT/EP2022/075846

(22) International Filing Date:
16 September 2022 (16.09.2022)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
P-2021/1153 17 September 2021 (17.09.2021) RS

(72) Inventor; and

(71) Applicant: **DRAGIC, Mile** [RS/RS]; 11 Makedonska,
Zrenjanin, 23000 (RS).

(74) Agent: **WÜRMSE, Julian**; Widenmayerstraße 47, 80538
München (DE).

(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, CV, CZ, DE, DJ, DK, DM,
DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT,
HN, HR, HU, ID, IL, IN, IQ, IR, IS, IT, JM, JO, JP, KE,
KG, KH, KN, KP, KR, KW, 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, ST, SV, SY, TH,
TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, WS,
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))
- before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments (Rule 48.2(h))
- in black and white; the international application as filed
contained color or greyscale and is available for download
from PATENTSCOPE

(54) Title: DEVICE FOR CONVERSION OF WAVE ENERGY INTO ELECTRICAL ENERGY

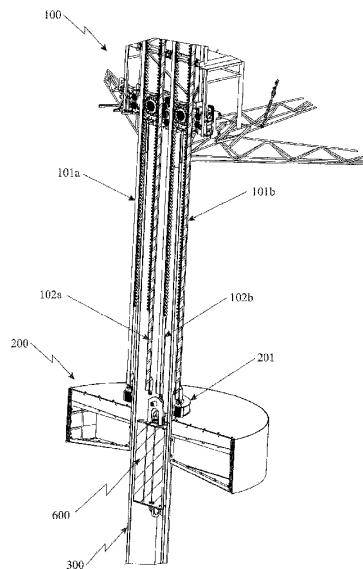


FIG. 1a

(57) Abstract: The device for conversion of wave energy into electrical energy consists of a supporting structure (300), the first working body (200), an anchor (500) and anchor cables (400). The supporting structure (300) is connected to the anchors (500) by anchor cables (400), while the first working body (200) is slidably connected to the supporting structure (300). The motion transformation system (100) is firmly connected to the supporting structure (300) and comprises rigid gears (101a) and (101b) toothed with gears (103a) and (103b) with rolls on one side while on the other side they are hinged to the first working body (200), on the other side of the gears (103a) and (103b) with the rolls, rigid gears (102a) and (102b) are connected at one end, while their other end is hinged to other working body (600). The gears (103a) and (103b) with rolls are connected by shafts with a multiplier that drives the generator (108) that further produces electricity. The device constructed in this way has the possibility of transport to the place of exploitation, because it floats stably on its own. The anchor system (500) is transported to the place of exploitation using a transport body (700) that also has the ability to float on its own and to submerge.

WO 2023/041742 A1