

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

(19) World Intellectual Property
Organization

International Bureau

(43) International Publication Date
15 September 2022 (15.09.2022)



(10) International Publication Number
WO 2022/192154 A1

(51) International Patent Classification:
C02F 1/28 (2006.01) C02F 1/72 (2006.01)

(21) International Application Number:
PCT/US2022/019184

(22) International Filing Date:
07 March 2022 (07.03.2022)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
63/157,804 07 March 2021 (07.03.2021) US
63/157,994 08 March 2021 (08.03.2021) US

(71) Applicant: **RENEW HEALTH LIMITED** [IE/IE]; IDA
Business & Technology Park, Garrycastle, Dublin Road,
Athlone, Co Westmeath, N37 F786 (IE).

(72) Inventor; and

(71) Applicant (for US only): **TALLY, William, N.** [US/US];
26800 Haggerty Drive, Farmington Hills, MI 48331 (US).

(72) Inventors: **DUPUIS, Jeff**; 26800 Haggerty Drive, Farmington Hills, MI 48331 (US). **ALDANA, Victor**; 26800 Haggerty Drive, Farmington Hills, MI 48331 (US). **O'BRIEN, Mitch**; 26800 Haggerty Drive, Farmington Hills, MI 48331 (US). **RUFFOLO, Alex**; 26800 Haggerty Drive, Farmington Hills, MI 48331 (US). **JUNI, Jack**; 26800 Haggerty Drive, Farmington Hills, MI 48331 (US). **REESBECK, Thomas**; 26800 Haggerty Drive, Farmington Hills, MI 48331 (US).

(74) Agent: **MOIR, Robert**; Oakland Law Group PLLC, 38955 Hills Tech Drive, Farmington Hills, MI 48331 (US).

(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, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, 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))

(54) Title: WATER TREATMENT MODULES AND METHOD OF USE THEREOF

(57) Abstract: The disclosure relates to water treatment modules that may be adapted to achieve required standards of capacity or purity. The disclosure describes the linkage of different water treatment treatment modules to achieve th required standards.

WO 2022/192154 A1