

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
07 March 2024 (07.03.2024)



(10) International Publication Number
WO 2024/047636 A1

(51) International Patent Classification:

E02B 3/04 (2006.01) *E02D 31/00* (2006.01)
E02D 27/42 (2006.01) *E02B 17/00* (2006.01)
E02D 27/52 (2006.01) *E02D 31/06* (2006.01)

(21) International Application Number:

PCT/IL2023/050913

(22) International Filing Date:

28 August 2023 (28.08.2023)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

63/401,667 28 August 2022 (28.08.2022) US

(71) Applicant: **ECONCRETE TECH LTD** [IL/IL]; 8
Taverskey st., 6721009 TEL AVIV (IL).

(72) Inventor: **SELLA, Ido**; 2 Shamgar Street, 6993555 TEL
AVIV (IL).

(74) Agent: **COHEN, Mark S.** et al.; PEARL COHEN ZEDEK
LATZER BARATZ, P.O. Box 20678, 6120602 Tel Aviv
(IL).

(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, MG, MK, MN, MU, 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, CV,
GH, GM, KE, LR, LS, MW, MZ, NA, RW, SC, 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, ME, MK, MT, NL, NO, PL, PT, RO, RS, SE,

(54) Title: SYSTEMS AND UNITS FOR MARINE INFRASTRUCTURE FOUNDATION SCOUR PROTECTION

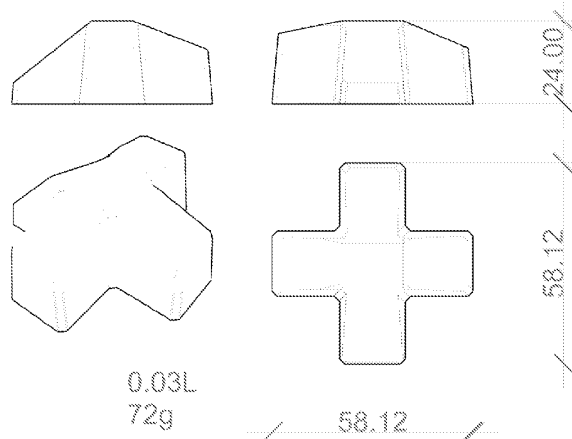


Figure 1

(57) Abstract: The invention provides scour protection methods and systems comprising a plurality of units, wherein each unit comprises a concrete matrix having a pH of less than 12; and wherein each unit can interlock with another unit; wherein said systems promotes and enhances the marine biological fauna and flora at the proximity of offshore aquatic infrastructures.

[Continued on next page]

WO 2024/047636 A1

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))*