

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
30 June 2022 (30.06.2022)



(10) International Publication Number
WO 2022/136633 A1

(51) International Patent Classification:
E01C 13/08 (2006.01)

(21) International Application Number:
PCT/EP2021/087471

(22) International Filing Date:
23 December 2021 (23.12.2021)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
2027211 23 December 2020 (23.12.2020) NL

(71) Applicant: **TEN CATE THIOLON B.V.** [NL/NL]; G. van der Muelenweg 2, 7443 RE Nijverdal (NL).

(72) Inventors: **SETHUNATH, Salil**; G. van der Muelenweg 2, 7443 RE Nijverdal (NL). **KOLKMAN, Niels Gerhardus**; G. van der Muelenweg 2, 7443 RE Nijverdal (NL). **YOUNG, Colin**; G. van der Muelenweg 2, 7443 RE Nijverdal (NL). **VOGEL, Michael Rene**; G. van der Muelenweg 2, 7443 RE Nijverdal (NL). **HEERINK, Hein Anton**; G. van der Muelenweg 2, 7443 RE Nijverdal (NL).

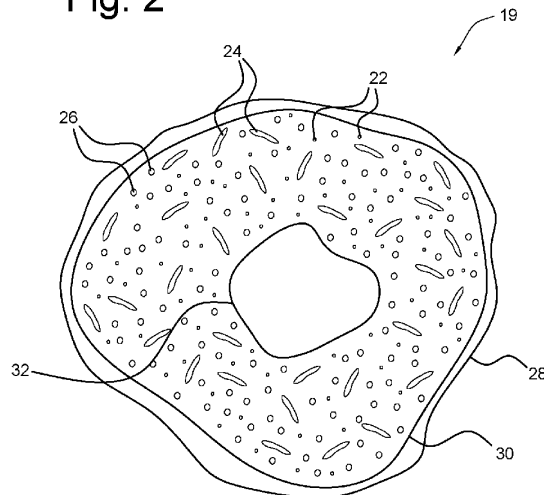
(74) Agent: **NEDERLANDSCH OCTROOIBUREAU**; P.O.Box 29720, 2502 LS The Hague (NL).

(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, 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).

(54) Title: NATURAL ARTIFICIAL TURF INFILL

Fig. 2



(57) Abstract: A natural binder-based infill for artificial turf, comprising biodegradable granules (19), wherein the granules (19) comprise a natural binder that has been physically but not chemically modified by the addition of a quantity of filler material, wherein the granules have a mean size of between 0.2 and 5 mm.

[Continued on next page]

WO 2022/136633 A1

Declarations under Rule 4.17:

- *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*

Published:

- *with international search report (Art. 21(3))*