

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
10 November 2022 (10.11.2022)



(10) International Publication Number
WO 2022/234142 A1

(51) International Patent Classification:
E01C 13/08 (2006.01) *B29B 9/00* (2006.01)
B01J 2/00 (2006.01)

(21) International Application Number:
PCT/EP2022/062502

(22) International Filing Date:
09 May 2022 (09.05.2022)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
2106534.7 07 May 2021 (07.05.2021) GB
2111672.8 13 August 2021 (13.08.2021) GB

(71) Applicant: **GOE-IP AS** [NO/NO]; Olsokveien 32, 4046
Hafersfjord (NO).

(72) Inventor: **GILJE, Eimund**; c/o GOE-IP AS, Olsokveien
32, 4046 Hafersfjord (NO).

(72) Inventor: **MALDAL, Trygve** (deceased).

(72) Inventors: **RAVNÅS, Asle**; c/o GOE-IP AS, Olsokveien
32, 4046 Hafersfjord (NO). **RAVNÅS, Mette**; c/o GOE-IP
AS, Olsokveien 32, 4046 Hafersfjord (NO).

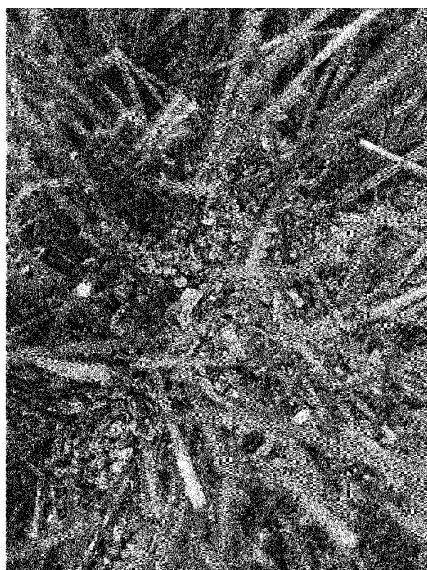
(74) Agent: **DEHNS**; St Bride's House, 10 Salisbury Square,
London EC4Y 8JD (GB).

(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, 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).

(54) Title: INFILL PARTICLE FOR ARTIFICIAL TURF, METHOD OF PRODUCING SUCH INFILL PARTICLE AND USE OF
SUCH INFILL PARTICLE

Fig. 3



(57) Abstract: Infill particle for artificial turf, wherein said particle
comprises a substrate which is impregnated with salt and said particle
does not contain thermoplastic material, wherein said substrate compris-
es cellulosic and/or hemicellulosic material, wherein said particle has a
volume of up to about 512 mm³, wherein said particle has a salt content
of at least 5 % by weight, and wherein said salt is dispersed throughout
the particle. A method of producing such infill particle and use of such
infill particle are also disclosed.

WO 2022/234142 A1

[Continued on next page]

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))*