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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
26 October 2023 (26.10.2023)

WIPO | PCT

(10) International Publication Number
WO 2023/203132 A1

(51) International Patent Classification:
A01G 24/30 (2018.01) *A01G 24/44* (2018.01)

(21) International Application Number:
PCT/EP2023/060279

(22) International Filing Date:
20 April 2023 (20.04.2023)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
2031666 22 April 2022 (22.04.2022) NL

(71) Applicants: **MAAN INTELLECTUAL PROPERTIES B.V.** [NL/NL]; 16, Klipperweg, 8102 HR RAALTE (NL). **KLASMANN-DEILMANN GMBH** [DE/DE]; 2-10, Georg-Klasmann-Straße, 49744 GEESTE (DE).

(72) Inventors: **WOUDA, Anna Maria**; c/o 16, Klipperweg, 8102 HR RAALTE (NL). **WEHMING, Bernard Manfred**; c/ 2-10, Georg-Klasmann-Straße, 49744 GEESTE (DE).

(74) Agent: **VOLMER, J.C. // EP&C**; P.O. Box 3241, 2280 GE RIJSWIJK (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, 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, 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))*
— *in black and white; the international application as filed contained color or greyscale and is available for download from PATENTSCOPE*

(54) Title: PLANT PLUG, MANUFACTURING METHOD AND USE THEREOF

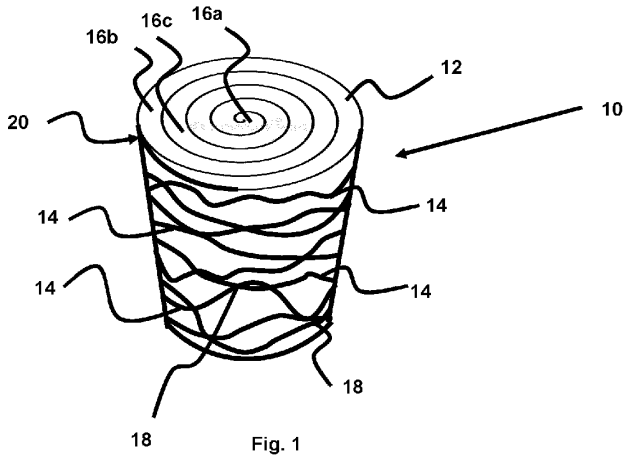


Fig. 1

(57) Abstract: A plant plug (10) for germinating, cutting and/or growing plants and/ or for tissue culture comprises a strip (12) of polymeric fibres (14), wherein the fibres (14) are substantially oriented in the plane of the strip (12) and optionally locally mutually bonded to one another, and wherein the strip (12) is arranged in multiple, vertically arranged layers (16). In a layer (16) the fibres (14) may be substantially oriented horizontally or vertically. A typical configuration includes a cylinder shaped plant plug (10). A manufacturing method and various uses of the plant plug (10) are also described.

WO 2023/203132 A1