

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
09 March 2023 (09.03.2023)



(10) International Publication Number
WO 2023/028651 A1

(51) International Patent Classification:

A61K 31/191 (2006.01) *A61L 27/22* (2006.01)
A61K 9/00 (2006.01) *A61L 27/36* (2006.01)
A61K 9/70 (2006.01) *A61K 33/16* (2015.01)
A61F 2/00 (2006.01)

(21) International Application Number:

PCT/AU2022/051064

(22) International Filing Date:

31 August 2022 (31.08.2022)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

2021902826 31 August 2021 (31.08.2021) AU
2022900504 03 March 2022 (03.03.2022) AU

(71) Applicant: **SMARTFEM MEDICAL TECHNOLOGY PTY LTD** [AU/AU]; C/- WAKEFUL PARTNERS, Level 1, 66 Rundle Street, KENT TOWN, South Australia 5067 (AU).

(72) Inventor: **BEHNIA-WILLISON, Fariba**; C/o Smartfem Medical Technology Pty Ltd, C/- WAKEFUL PARTNERS, Level 1, 66 Rundle Street, KENT TOWN, South Australia 5067 (AU).

(74) Agent: **FB RICE PTY LTD**; Level 33, 477 Collins St, Melbourne, Victoria 3000 (AU).

(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, 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: SCAFFOLD FOR SOFT TISSUE AUGMENTATION AND REINFORCEMENT

(57) Abstract: The disclosure relates to a scaffold graft material, or platelet rich plasma (PRP) graft, and method of production thereof, for tissue repair and/or support (e.g. reinforcement). In one particular application, the scaffold material is used for treating pelvic organ prolapse (POP).

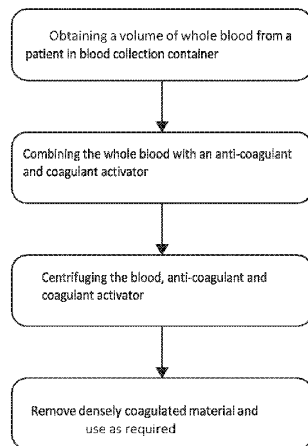


FIGURE 1

WO 2023/028651 A1

[Continued on next page]

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