

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

(19) World Intellectual Property
Organization

International Bureau

(43) International Publication Date
10 December 2020 (10.12.2020)



(10) International Publication Number
WO 2020/245656 A1

(51) International Patent Classification:

A61L 15/60 (2006.01) A61L 15/48 (2006.01)
A61L 15/42 (2006.01) A61L 15/22 (2006.01)

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))

(21) International Application Number:

PCT/IB2020/000444

(22) International Filing Date:

03 June 2020 (03.06.2020)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

62/856,676 03 June 2019 (03.06.2019) US

(71) Applicant: **CONVATEC LIMITED** [GB/GB]; Gdc Building, First Avenue, Deeside Industrial Park, Deeside CH5 2NU (GB).

(72) Inventors: **METCALF, Daniel**; Gdc, First Avenue, Deeside Industrial Park, Deeside CH5 2NU (GB). **PE-NAGONDLA, Manjunath**; Gdc, First Avenue, Deeside Industrial Park, Deeside CH5 2NU (GB).

(74) Agent: **GUNN, Wilson**; Wilson Gunn (Manchester), 5th Floor, Blackfriars House, The Parsonage, Manchester M3 2JA (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, IR, IS, 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: METHODS AND DEVICES TO DISRUPT AND CONTAIN PATHOGENS

(57) Abstract: Provided herein are fabric materials and debridement devices comprising gel-forming hydrofibres for disrupting a biofilm, loosening, or sequestering unwanted materials from wounds, and uses thereof. In particular, debridement and detection devices for selective and atraumatic removal of unwanted tissues and for detection of a wound infection are provided.



WO 2020/245656 A1