

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
27 July 2023 (27.07.2023)



(10) International Publication Number
WO 2023/139383 A1

(51) International Patent Classification:

C12M 1/26 (2006.01) *B01L* 3/00 (2006.01)
A61M 5/142 (2006.01)

(21) International Application Number:

PCT/GB2023/050123

(22) International Filing Date:

20 January 2023 (20.01.2023)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

2200869.2 24 January 2022 (24.01.2022) GB

(71) Applicant: **ORIBIOTECH LTD** [GB/GB]; 35 Beaufort Court, Admirals Way, South Quay Waterside, London Greater London E14 9XL (GB).

(72) Inventors: **VERAITCH, Farlan**; c/o Oribiotech Ltd, 35 Beaufort Court, Admirals Way, South Quay Waterside, London Greater London E14 9XL (GB). **RAIMES, William**; c/o Oribiotech Ltd, 35 Beaufort Court, Admirals Way, South Quay Waterside, London Greater London E14 9XL (GB). **SHAPKA, Stephen**; c/o Oribiotech Ltd, 35 Beaufort Court, Admirals Way, South Quay Waterside, London Greater London E14 9XL (GB). **AMINI, Arman**; c/o Oribiotech Ltd, 35 Beaufort Court, Admirals

Way, South Quay Waterside, London Greater London E14 9XL (GB). **SMITH, Richard**; c/o PA Consulting Global Innovation and Technology Centre, Back Lane, Melbourn Hertfordshire SG8 6DP (GB). **LITTEN, Neil**; c/o PA Consulting Global Innovation and Technology Centre, Back Lane, Melbourn Hertfordshire SG8 6DP (GB). **BRANDON-JONES, Julian**; c/o PA Consulting Global Innovation and Technology Centre, Back Lane, Melbourn Hertfordshire SG8 6DP (GB).

(74) Agent: **HGF LIMITED**; 1 City Walk, Leeds West Yorkshire LS11 9DX (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, 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, 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,

(54) Title: A CONNECTOR

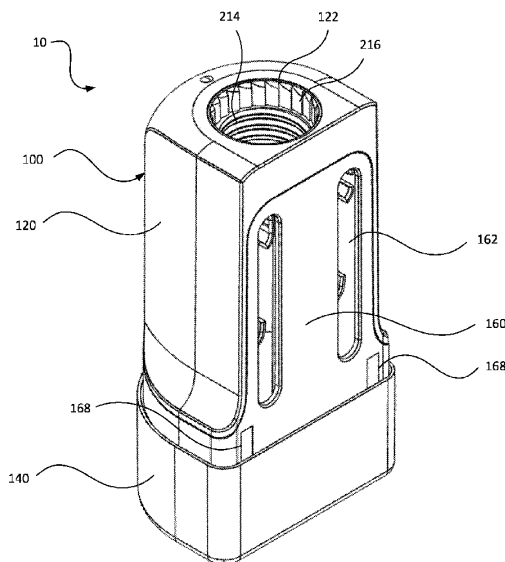


FIG. 1

(57) Abstract: The present invention concerns a connector including a housing, extending between a distal end and a proximal end; a hollow needle mounted, at least partially, within the housing, a first end of the hollow needle being connected or connectable to a first receptacle, and a second end of the hollow needle facing a pierceable seal; an actuating mechanism configured to cause relative movement between the hollow needle and the pierceable seal to enable the hollow needle to pierce the pierceable seal; and a locking mechanism, in a first configuration, to prevent the actuating mechanism from causing relative movement between the hollow needle and the pierceable seal, and in a second configuration, to permit the actuating mechanism to cause relative movement between the hollow needle and the pierceable seal.

[Continued on next page]

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, 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))