

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
06 January 2022 (06.01.2022)



(10) International Publication Number
WO 2022/005723 A3

(51) International Patent Classification:
A61M 25/02 (2006.01) *A61M 25/06* (2006.01)

(21) International Application Number:
PCT/US2021/036859

(22) International Filing Date:
10 June 2021 (10.06.2021)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
63/045,700 29 June 2020 (29.06.2020) US
17/339,555 04 June 2021 (04.06.2021) US

(71) Applicant: **BECTON, DICKINSON AND COMPANY**
[US/US]; 1 Becton Drive, Franklin Lakes, New Jersey
07417 (US).

(72) Inventors: **HARDING, Weston F.**; 2421 North 910 West,
Lehi, Utah 84043 (US). **SCHERICH, Megan**; 921 East 500
South, Unit B, Salt Lake City, Utah 84102 (US). **BURK-
HOLZ, Jonathan Karl**; 1971 South Wasatch Drive, Salt
Lake City, Utah 84108 (US). **MA, Yiping**; 2220 North
2300 East, Layton, Utah 84040 (US). **LACKEY, John**;
1409 West 3630 South, West Valley City, Utah 84119
(US). **WARNER, Tyler**; 15366 Silverpoint Circle, Bluff-
dale, Utah 84065 (US).

(74) Agent: **MILES, Kirk M.**; The Webb Law Firm, One Gate-
way Center, 420 Ft. Duquesne Blvd., Suite 1200, Pittsburgh,
Pennsylvania 15222 (US).

(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, IT, 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).

Declarations under Rule 4.17:

— as to the applicant's entitlement to claim the priority of the
earlier application (Rule 4.17(iii))

(54) Title: DRESSING-BASED CATHETER TRACTION DEVICE AND RELATED SYSTEMS

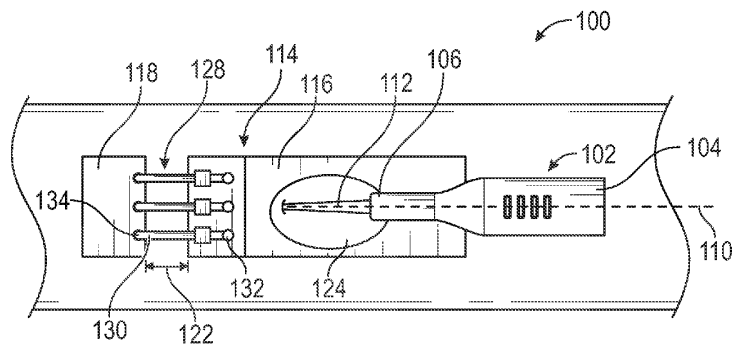


FIG. 1

(57) Abstract: A catheter assembly may include a catheter adapter (102), a catheter (112), and a dressing (114) to securely apply traction to the catheter where the catheter is disposed within a vasculature of a patient. The catheter adapter may include a proximal end, a distal end, and a lumen extending therebetween. The catheter may extend from the distal end of the catheter adapter. The dressing may include a first section (116) adjustably coupled to a second section (118). The first section may be configured to secure the catheter adapter and/or the catheter to the patient. The second section may be configured to be adjustably positioned relative to the first section to apply traction to the catheter within the vasculature.

[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))*

(88) Date of publication of the international search report:

10 February 2022 (10.02.2022)