

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
25 February 2021 (25.02.2021)



(10) International Publication Number
WO 2021/034845 A1

- (51) **International Patent Classification:**
A61M 25/00 (2006.01) *A61M 25/06* (2006.01)
- (21) **International Application Number:**
PCT/US2020/046833
- (22) **International Filing Date:**
18 August 2020 (18.08.2020)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:**
62/889,375 20 August 2019 (20.08.2019) US
16/993,062 13 August 2020 (13.08.2020) US
- (71) **Applicant: BECTON, DICKINSON AND COMPANY**
[US/US]; 1 Becton Drive, Franklin Lakes, New Jersey
07417 (US).
- (72) **Inventor: SPATARO, Joseph**; 7701 S. Summerhill Circle,
Cottonwood Heights, Utah 84121 (US).
- (74) **Agent: METCALF, Craig et al.;** Kirton McConkie, 36 S.
State Street, Suite 1900, Salt Lake City, 84111 (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,

(54) **Title:** CATHETER ADAPTERS

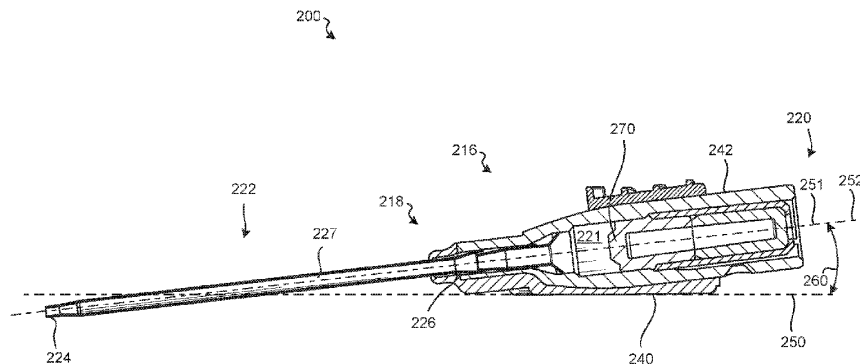


FIG. 2

(57) **Abstract:** A catheter adapter may include a catheter adapter body (216) and a catheter adapter channel (221) formed within the catheter adapter body. The catheter adapter body may include a proximal end (220), a distal end (218), an inferior surface (240), and a superior surface (242). The inferior surface of the catheter adapter body may be configured to abut against a surface area of a patient's skin, and an angle (260) formed between the surface area of the patient's skin and a longitudinal axis of the catheter adapter channel may be greater than 4 degrees.

[Continued on next page]



WO 2021/034845 A1

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))*

Published:

- *with international search report (Art. 21(3))*