

(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 2022/005713 A1

(51) International Patent Classification:

A61M 25/00 (2006.01) A61M 25/06 (2006.01)
A61M 25/01 (2006.01)

(21) International Application Number:

PCT/US2021/036522

(22) International Filing Date:

09 June 2021 (09.06.2021)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

63/045,571	29 June 2020 (29.06.2020)	US
17/339,532	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: **SCHERICH, Megan**; 921 East 500 South,
Unit B, Salt Lake City, Utah 84102 (US). **BURKHOLZ,**
Jonathan, Karl; 1971 South Wasatch Drive, Salt Lake

City, Utah 84108 (US). **HARDING, Weston, F.**; 2421
North 910 West, Lehi, Utah 84043 (US). **HOPWOOD,**
Benjamin; 2950 South 2000 East, Salt Lake City, Utah
84109 (US). **BLANCHARD, Curtis, H.**; 14156 South
Mount Ogden Peak Drive, Riverton, Utah 84096 (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.

(54) Title: CONCENTRIC CATHETER SYSTEM

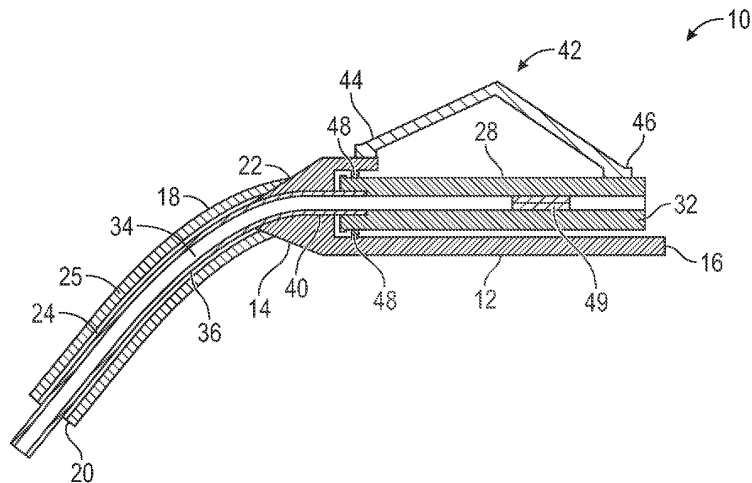


FIG. 1A

(57) Abstract: A catheter system (10) includes an outer catheter adapter (12), an outer catheter (18) having an outer catheter lumen (24) extending through the outer catheter, an inner catheter adapter (28), an inner catheter lumen (34) extending through the inner catheter adapter (28) and an inner catheter (36) extending distally from the inner catheter adapter (28) such that the inner catheter (36) is disposed within the outer catheter lumen (24), wherein the inner catheter (36) and the inner catheter adapter (28) are configured to move with respect to the outer catheter (18) and the outer catheter adapter (12) between a proximal position and a distal position.

[Continued on next page]

(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))*

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))*