

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
07 October 2021 (07.10.2021)



(10) International Publication Number
WO 2021/202167 A1

- (51) International Patent Classification:
A61M 25/00 (2006.01) *A61M 25/06* (2006.01)
- (21) International Application Number:
PCT/US2021/023644
- (22) International Filing Date:
23 March 2021 (23.03.2021)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
63/002,972 31 March 2020 (31.03.2020) US
17/208,975 22 March 2021 (22.03.2021) US
- (71) Applicant: **BECTON, DICKINSON AND COMPANY**
[US/US]; 1 Becton Drive, Franklin Lakes, New Jersey
07417 (US).
- (72) Inventor: **NADU, Jithendra Kumar Sathyanarayana**;
#09-87, Block 682A, Woodlands Drive-62, 731682 Wood-
lands (SG).
- (74) Agent: **METCALF, Craig**; Kirton McConkie, 36 South
State Street, Suite 1900, Salt Lake City, Utah 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.

(54) Title: CATHETER ASSEMBLY WITH A SLIDABLE SEPTUM AND RELATED SYSTEMS

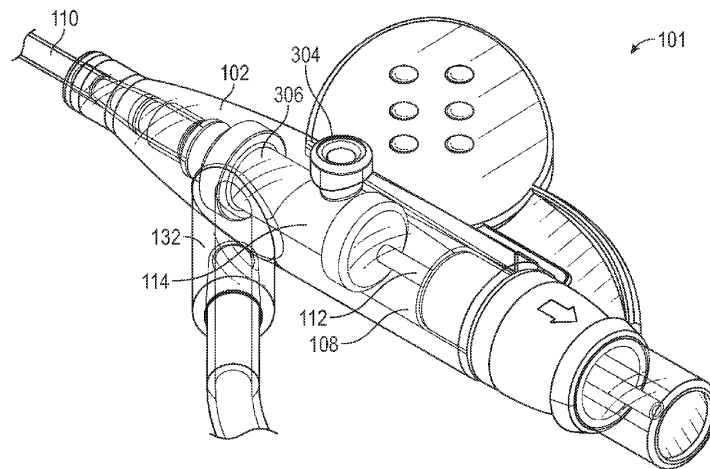


FIG. 3

(57) Abstract: A catheter assembly 101 configured to selectively isolate a blood fluid pathway from a priming solution fluid pathway. The catheter assembly includes a catheter adapter 102 which includes a distal end 104, a proximal end 106 and a lumen 108 therebetween. A catheter 110 extends from the distal end and a side port 132 is disposed between the distal end and the proximal end of the adapter. A septum 114 is positioned within the lumen and aligned with the side port. The septum provides a seal between the side port and the catheter in the distal position. The septum is configured to slide from the distal position to a proximal position proximal to the side port. In the proximal position, the side port is in fluid communication with the catheter. The catheter assembly increases a likelihood of obtaining a quick and clear indication of flashback to confirm proper catheter placement.

[Continued on next page]



WO 2021/202167 A1

(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))*