

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
26 March 2020 (26.03.2020)



(10) International Publication Number
WO 2020/061148 A1

(51) International Patent Classification:

A61M 25/00 (2006.01) A61M 25/09 (2006.01)
A61M 39/10 (2006.01) A61M 25/01 (2006.01)

(21) International Application Number:

PCT/US2019/051657

(22) International Filing Date:

18 September 2019 (18.09.2019)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

62/734,006 20 September 2018 (20.09.2018) US
16/573,731 17 September 2019 (17.09.2019) US

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

(72) Inventors: **ISAACSON, S. Ray**; 671 South 850 West, Lay-
ton, Utah 84041 (US). **PETERSON, Bart D.**; 1988 Silver
Spur Way, Farmington, Utah 84025 (US).

(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, 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, SM, ST, SV, SY, TH, TJ, TM, TN,
TR, TT, TZ, UA, UG, US, UZ, VC, VN, 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))

Published:

— with international search report (Art. 21(3))

(54) Title: CATHETER HAVING A CLOSED TIP AND SLIT FOR A PERIPHERAL INTRAVENOUS CATHETER ASSEMBLY

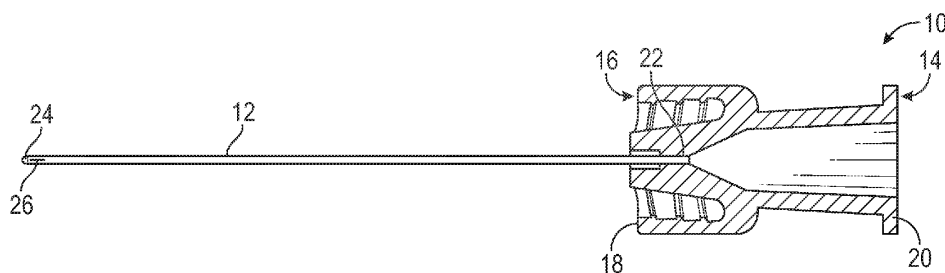


FIG. 1A

(57) Abstract: An apparatus may include a connector (10), which may include a proximal end (14) and a distal end (16). The distal end of the connector may include a male luer adapter, which may be configured to couple with a proximal end of a catheter adapter. The apparatus may include a catheter (12), which may include a proximal end secured within the connector. The catheter may be configured to extend through an indwelling peripheral intravenous catheter. The catheter may include a closed distal end (24) and a slit (26) adjacent to the closed distal end. The slit may be closed under normal physiological pressures.



WO 2020/061148 A1