

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
13 February 2020 (13.02.2020)



(10) International Publication Number
WO 2020/033137 A1

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

(21) International Application Number:
PCT/US2019/042975

(22) International Filing Date:
23 July 2019 (23.07.2019)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
62/715,662 07 August 2018 (07.08.2018) US
16/518,724 22 July 2019 (22.07.2019) US

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(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.

(54) Title: SYSTEMS AND METHODS FOR CATHETER INSERTION AND BLOOD FLASHBACK

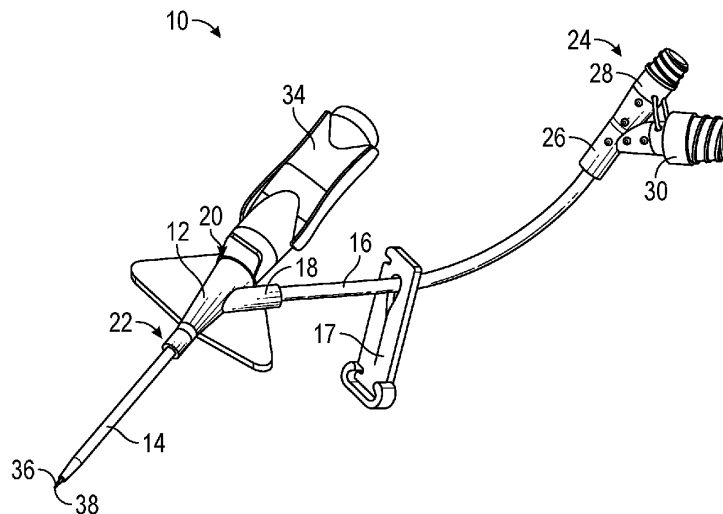


FIG. 1A

(57) Abstract: A method may include priming a catheter system. The catheter system may include a catheter adapter, a catheter, and an extension tube. The catheter system may also include a Y-adapter, which may include first and second arms. A distal end of the Y-adapter may be coupled to the extension tube. The catheter system may further include a vent cap, which may be coupled to the second arm. Priming the catheter system may include attaching an IV line to the first arm and delivering saline through the IV line to the catheter system such that the saline exits a distal tip of the catheter and clamping the IV line via a roller clamp on the IV line. The method may also include actuating the vent cap after priming the catheter system. The method may further include inserting the catheter into a vein of a patient after actuating the vent cap.

[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))*