



(51) International Patent Classification:

A61B 5/15 (2006.01) A61B 5/155 (2006.01)
A61B 5/154 (2006.01)

(21) International Application Number:

PCT/US2019/051552

(22) International Filing Date:

17 September 2019 (17.09.2019)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

62/732,345 17 September 2018 (17.09.2018) US

(71) Applicant: **VELANO VASCULAR, INC.** [US/US]; 1028
Kearny Street, San Francisco, CA 94133 (US).

(72) Inventors; and

(71) Applicants: **VANDENBRINK, Evan** [US/US]; 1412 Al-
varado Avenue, Burlingame, CA 94010 (US). **LELE,**
Meenal [US/US]; 1711 N Howard Street, Philadelphia, PA
19122 (US).

(74) Agent: **MILCH, Erik, B.** et al.; Cooley LLP, 1299 Penn-
sylvania Ave., Suite 700, Washington, DC 20004 (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 applicant's entitlement to apply for and be granted a
patent (Rule 4.17(ii))

(54) Title: SYSTEMS, APPARATUS, AND METHODS FOR PREVENTING CONTAMINATION OF A BLOOD DRAW SYSTEM

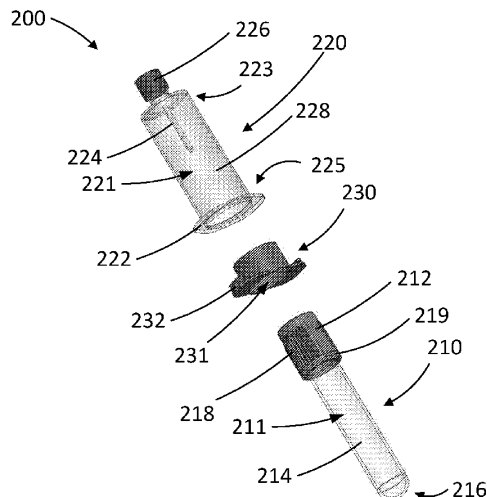


FIG. 2B

(57) Abstract: A system (200) includes a container assembly (210), a fluid access assembly (220), and an adapter (230). The adapter includes a first engagement feature (231) and a second engagement feature (232). The first engagement feature of the adapter is configured to releasably engage with a cap (212) of the container assembly and the second engagement feature of the adapter is configured to releasably engage with an engagement feature (222) of the fluid access assembly such that, in a first configuration in which the first engagement feature of the adapter is engaged with the cap and the second engagement feature of the adapter is engaged with the engagement feature of the fluid access assembly, the cap of the container assembly is at least partially disposed within the interior of the housing and spaced from a fluid access component of the fluid access assembly.

[Continued on next page]

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))*