

(43) International Publication Date
14 January 2021 (14.01.2021)



(10) International Publication Number
WO 2021/007231 A3

(51)	International Patent Classification:	A61M 5/32 (2006.01)	A61M 25/06 (2006.01)
(21)	International Application Number:	PCT/US2020/041044	
(22)	International Filing Date:	07 July 2020 (07.07.2020)	
(25)	Filing Language:	English	
(26)	Publication Language:	English	
(30)	Priority Data:		
	62/873,088	11 July 2019 (11.07.2019)	US
	16/921,494	06 July 2020 (06.07.2020)	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, 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,

(54) Title: CATHETER SYSTEM FACILITATING REDUCED DRAG FORCE

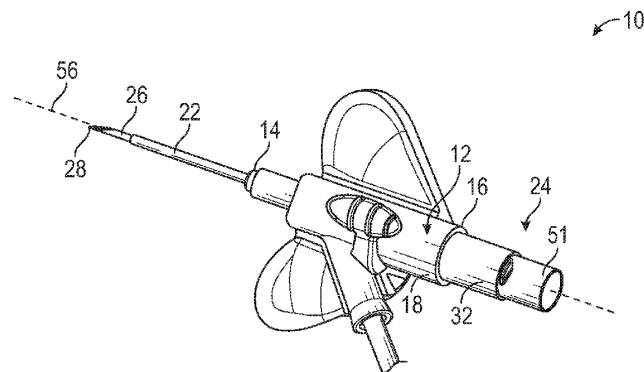


FIG. 1A

(57) **Abstract:** A catheter system may include a needle assembly coupled to a catheter adapter. The needle assembly may include a housing, an introducer needle, a proximal opening, a distal opening, and a needle tip shield feature. A distal tip of the introducer needle may be configured to be proximally withdrawn from a first position to a second position in which a bump feature of the introducer needle is prevented from moving through the proximal opening. In response to withdrawal of the distal tip proximally from the second position to a third position, the needle tip shield feature may be released to block the distal opening. The needle tip shield feature may not contact the introducer needle when the distal tip moves proximally from the first position to the second position and from the second position to the third position, which may reduce a friction-based drag force on the introducer needle.

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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.

- (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))*

(88) Date of publication of the international search report:

18 February 2021 (18.02.2021)