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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
23 December 2015 (23.12.2015)

WIPO | PCT

(10) International Publication Number
WO 2015/193047 A1

(51) International Patent Classification:
A61N 1/372 (2006.01) *A61N 1/05* (2006.01)
A61M 25/00 (2006.01) *A61M 25/06* (2006.01)

(21) International Application Number:
PCT/EP2015/061049

(22) International Filing Date:
20 May 2015 (20.05.2015)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
10 2014 108 475.6 17 June 2014 (17.06.2014) DE

(71) Applicant: **BIOTRONIK SE & CO. KG** [DE/DE]; Woermannkehre 1, 12359 Berlin (DE).

(72) Inventors: **FRUENDT, Carsten**; Randowstrasse 22, 13057 Berlin (DE). **TRIP, Erik**; Egginkstraat 6, NL-7975 PG Uffelte (NL).

(74) Agent: **GALANDER, Marcus**; Biotronik SE & Co. KG, Woermannkehre 1, 12359 Berlin (DE).

(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, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, JP, KE, KG, KN, KP, KR, 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))*

Published:

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

(54) Title: ELONGATED GUIDE SHEATH

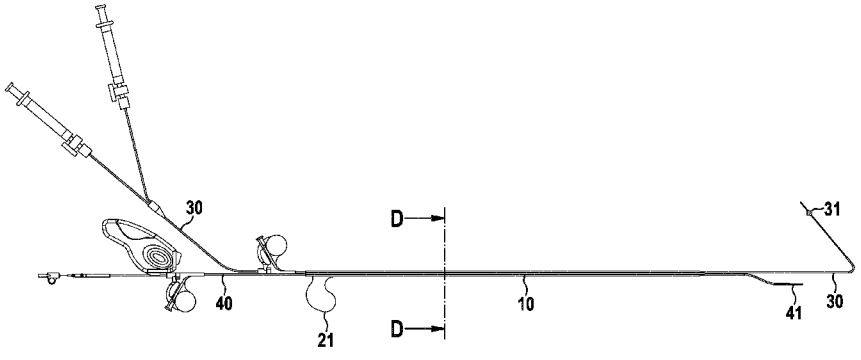


FIG. 1

(57) Abstract: The invention refers to an elongated guide sheath for delivering at least one medical instrument to a body lumen. For reliable and cost effective implantation of an electrode at the AV septum the inventive guide sheath (10, 60, 70) forms a first guiding sleeve (11, 61,71) and a second guiding sleeve (12, 62, 72) at least partly separated by a shared wall section (16, 66, 76), wherein the longitudinal axis of the first guiding sleeve (11, 61, 71) and the longitudinal axis of the second guiding sleeve (12, 62, 72) run parallel to a longitudinal guide sheath axis (14), wherein the wall of the first guiding sleeve (11, 61, 71) and/or of the second guiding sleeve (12, 62, 72) each comprises a slit (17, 18) which runs along at least part of the length of the respective guiding sleeve (11, 61, 71, 81, 12, 62, 72). Further, a system comprising the above guide sheath, a first catheter and/or guide wire and a second catheter or electrode is proposed.

WO 2015/193047 A1