(19) World Intellectual Property **Organization**

International Bureau



(43) International Publication Date 8 January 2004 (08.01.2004)

PCT

(10) International Publication Number WO 2004/002288 A3

(51) International Patent Classification⁷: A61N 1/05

(21) International Application Number:

PCT/US2003/014435

(22) International Filing Date: 9 May 2003 (09.05.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

10/144,205 10 May 2002 (10.05.2002)

(71) Applicant: CEREBRAL VASCULAR APPLICA-TIONS, INC. [US/US]; 2750 Premiere Parkway, Suite 200, Duluth, GA 30097 (US).

(72) Inventors: KAPLAN, Aaron, V.; 225 Douglas Road, Norwich, VT 05055 (US). HAHNEN, Kevin, F.; 250 Westlake Boulevard, No. 220, Westlake Village, CA 91364 (US).

(74) Agent: McFARRON, Gary, W.; Cook, Alex, McFarron, Manzo, Cummings & Mehler,, Ltd, Suite 2850, 200 West Adams Street, Chicago, IL 60606 (US).

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

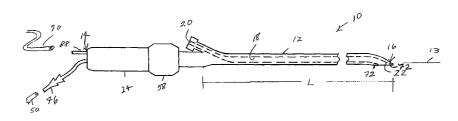
Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(88) Date of publication of the international search report: 17 March 2005

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: METHODS AND APPARATUS FOR LEAD PLACEMENT ON A SURFACE OF THE HEART



(57) Abstract: The methods and apparatus (10) for lead placement on a surface of the heart are employed using an elongated body having proximal and distal end portions.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/14435

A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : A61N 1/05 US CL : 607/119 According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) U.S.: 607/119, 122, 129-131; 606/129 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched				
Electronic data base consulted during the inte	rnational search (name	e of data ba	se and, where practicable	e, search terms used)
C. DOCUMENTS CONSIDERED TO BE RELEVANT				
Category * Citation of document, with	th indication, where a	ppropriate,	of the relevant passages	Relevant to claim No.
X US 5,336,252 A (COHEN) 09 X US 4,280,510 A (O'NEILL) 2	August 1994 (09.08.	1994), see t	he entire document	1-3, 5-7, 9, 15-17, 19, 20, 22, 27, 68-72, 74, 76, 77, 78-80, 83, 87, 104, 106, 107, 121- 123, 127, 131, 135, 137, 139, 166, 167, 170 1-3, 5, 18-20, 23, 24, 27, 28, 30, 32, 34, 35, 37, 38-41, 43, 45, 104- 110, 112-114, 151, 167, 168
Further documents are listed in the continuation of Box C. * Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed Date of the actual completion of the international search 20 December 2004 (20.12.2004) Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US Commissioner for Patents		"X" "Y" "&" Date of m 19	R Evanisko Sheila H. Veney	
P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (703) 305-3230		_	No. 703 308-1148	Pardlegal Specialist Tech. Center 3700

Form PCT/ISA/210 (second sheet) (July 1998)