

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
3 August 2006 (03.08.2006)

PCT

(10) International Publication Number
WO 2006/081109 A3

(51) International Patent Classification:
A61F 11/00 (2006.01)

(21) International Application Number:
PCT/US2006/001682

(22) International Filing Date: 18 January 2006 (18.01.2006)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
11/043,032 25 January 2005 (25.01.2005) US

(71) Applicant (for all designated States except US): MICRUS CORPORATION [US/US]; 610 Palomar Avenue, Sunnyvale, California 94085 (US).

(72) Inventor: GOROSPE, Marcelino; 983 Emerald Hill Road, Redwood City, California 94061 (US).

(74) Agents: PAUL, James, W. et al.; FULWIDER PATTON LLP, Howard Hughes Center, 6060 Center Drive, Tenth Floor, Los Angeles, CA 90045 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM,

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

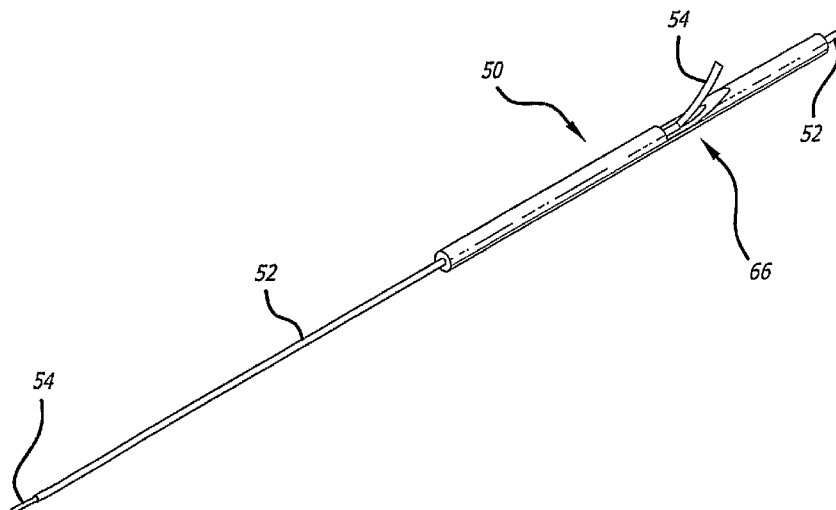
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT,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

Published:
— with international search report

(88) Date of publication of the international search report:
1 November 2007

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: RESHEATHING TOOL



(57) Abstract: The resheathing tool includes a flexible tubular body with a wall, an inner bore, and an aperture formed in the wall. The tool can be used to facilitate the unsheathing of the vasoocclusive device from the reloadable slotted introducer sheath by threading a proximal portion of the sheath out the aperture of the tool while sliding the vasoocclusive device distally through the sheath. The tool facilitates resheathing of the vasoocclusive device by introducing the vasoocclusive device through the slot of a reloadable slotted introducer sheath into the sheath by threading the reloadable slotted introducer sheath through the aperture and into the inner bore of the tool while threading the vasoocclusive device through the inner bore of the tool. At the same time, the resheathing tool prevents the elongated vasoocclusive device from moving out of the reloadable slotted introducer sheath through the slot.



WO 2006/081109 A3

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US06/01682

A. CLASSIFICATION OF SUBJECT MATTER
 IPC(8) - A61F 11/00 (2007.01)
 USPC - 606/108
 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)
 IPC(8) - A61F 11/00 (2007.01)
 USPC - 606/108

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
 PatBase

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2004/0087964 A1 (DIAZ et al) 06 May 2004 (06.05.2004) entire document	1-2, 9-11
Y		3-8
Y	US 3,459,184 A (RING) 05 August 1969 (05.08.1969) entire document	3-8
Y	US 4,887,997 A (OKADA) 19 December 1989 (19.12.1989) entire document	1-11

Further documents are listed in the continuation of Box C.

* Special categories of cited documents:	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E" earlier application or patent but published on or after the international filing date	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"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)	"&" document member of the same patent family
"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 27 April 2007	Date of mailing of the international search report 09 AUG 2007
--	--

Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US, Commissioner for Patents P.O. Box 1450, Alexandria, Virginia 22313-1450 Facsimile No. 571-273-3201	Authorized officer: Blaine R. Copenheaver PCT Helpdesk: 571-272-4300 PCT OSP: 571-272-7774
---	---