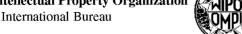
#### (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

## (19) World Intellectual Property Organization





## 

# (43) International Publication Date 28 September 2006 (28.09.2006) PCT (10) International Publication Number WO 2006/102626 A3

- (51) International Patent Classification: *A61N 1/36* (2006.01)
- (21) International Application Number:

PCT/US2006/010911

- (22) International Filing Date: 24 March 2006 (24.03.2006)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:

60/665,320 24 March 2005 (24.03.2005) US

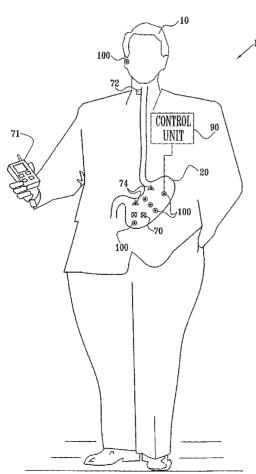
- (71) Applicant (for all designated States except US): METACURE NV [NL/NL]; Werfstraat 6, Willemstad, Curacao (AN).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): POLICKER, Shai [IL/US]; 28 Richard St., Tenafly, New Jersey (US). PRUTCHI, David [US/US]; 18 Village Drive, Voorhees, New Jersey 08043 (US). BITTON, Ophir [IL/US]; 3622 Avalon Court, Voorhees, New Jersey 08043 (US).

**ROUSSO, Benny** [IL/IL]; 12 Henri Bergson Street, 75801 Rishon Lezion (IL). **GLASBERG, Offer** [IL/IL]; 5 Frug Street, Haifa (IL).

- (74) Agent: DIPPERT, William, H.; Wolf, Block, Schorr and Solis-Cohen LLP, 250 Park Ave., New York, New York 10177 (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),

[Continued on next page]

#### (54) Title: WIRELESS LEADS FOR GASTROINTESTINAL TRACT APPLICATIONS



(57) Abstract: Apparatus is provided, including a control unit (310), adapted to be implanted within a patient (324), and a corkscrew-shaped electrode mount (400), adapted to be implanted in a wall of a stomach of the patient. The corkscrew-shaped electrode mount includes first (404) and second (424) electrodes, at respective sites of the electrode mount, and a controller (420), wirelessly coupled to the control unit. Other embodiments are also described.

WO 2006/102626 A3 ||||||||||

### WO 2006/102626 A3



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
- 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:
- (15) Information about Correction: Previous Correction:

see PCT Gazette No. 08/2007 of 22 February 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.

### INTERNATIONAL SEARCH REPORT

International application No.
PCT/US06/10911

A. CLAS	SIFICATION OF SUBJECT MATTER A61N 1/36( 2006.01)			
USPC: According to	607/40 International Patent Classification (IPC) or to both nati	ional classification and IPC		
B. FIELI	DS SEARCHED			
Minimum doo U.S.: 60	cumentation searched (classification system followed by 7/40	y classification symbols)		
Documentation	on searched other than minimum documentation to the o	extent that such documents are included	in the fields searched	
Electronic da	ta base consulted during the international search (name	of data base and, where practicable, sear	ch terms used)	
C. DOC	JMENTS CONSIDERED TO BE RELEVANT			
Category *	Citation of document, with indication, where ap		Relevant to claim No.	
X  Y	US 2002/0165589 A1 (IMRAN et al.) 7 November 2002 (07.11.2002), entire document.		1-6, 8-11, 13-20, 22, 23, 25, 26, 28-34, 38- 42	
Y	US 5,314,461 (BORGHI) 24 May 1994 (25.05.1994)	, entire document	7, 27	
• s	documents are listed in the continuation of Box C.  Special categories of cited documents:  t defining the general state of the art which is not considered to be of	See patent family annex.  "T" later document published after the in date and not in conflict with the appl principle or theory underlying the in	ication but cited to understand the	
particular relevance "E" earlier application or patent published on or after the international filing date		"X" document of particular relevance; the considered novel or cannot be considered when the document is taken alone	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	
"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)		considered to involve an inventive st combined with one or more other su	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	
	it referring to an oral disclosure, use, exhibition or other means	_		
priority date claimed		"&" document member of the same patent family		
Date of the actual completion of the international search		Date of mailing of the international sea	Hu 2007	
26 June 2007 (26.06.2007)		Authorized officer		
Name and mailing address of the ISA/US  Mail Stop PCT, Attn: ISA/US		Michael Kahelin		
Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450		Telephone No. (571) 272-4790		
	o. (571) 273-3201			

Form PCT/ISA/210 (second sheet) (April 2005)