

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
15 July 2004 (15.07.2004)

PCT

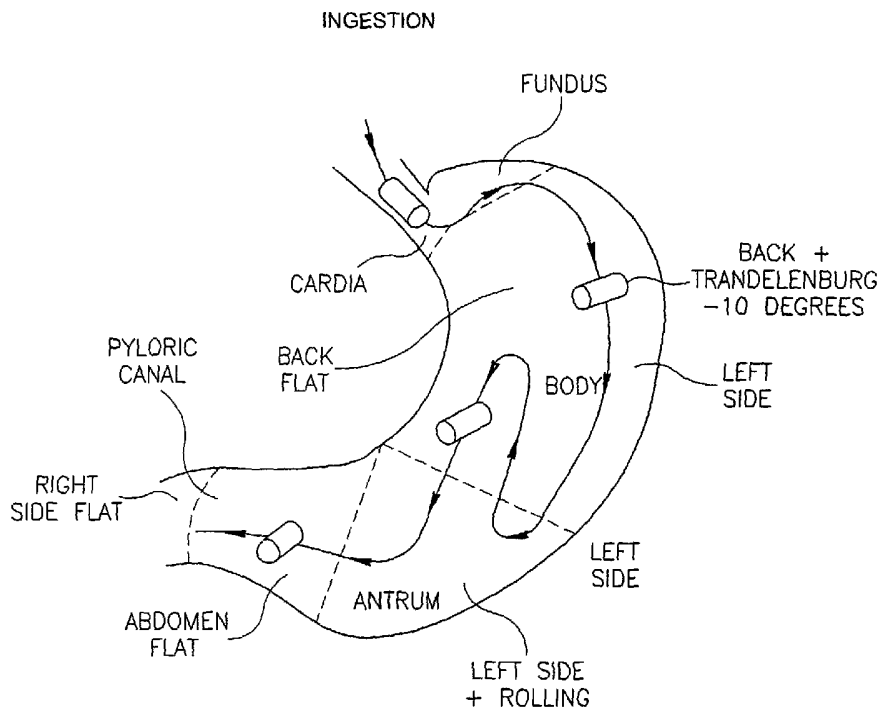
(10) International Publication Number
WO 2004/058043 A3

- (51) International Patent Classification⁷: A61B 5/00
- (21) International Application Number: PCT/IL2003/001117
- (22) International Filing Date: 30 December 2003 (30.12.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: 60/436,651 30 December 2002 (30.12.2002) US
- (71) Applicant (for all designated States except US): GIVEN IMAGING LTD. [IL/IL]; P.O.B 258, 20692 Yoqneam Ilite (IL).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): ADLER, Sam [IL/IL]; Strauss 5, Gastro Institute, 94227 Jerusalem (IL). LEWKOWICZ, Shlomo [IL/IL]; 47 Habonim Street, 36031 Kiryat Tivon (IL).
- (74) Agents: EITAN, PEARL, LATZER & COHEN-ZEDEK et al.; 2 Gav Yam Center, 7 Shenkar Street, 46725 Herzlia (IL).
- (81) Designated States (national): 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, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (BW, 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

[Continued on next page]

(54) Title: METHOD FOR IN VIVO SENSING



(57) Abstract: A method for in vivo sensing of a body lumen such as a lumen in the upper GI tract is provided. The method may include, for example, inserting a sensing device into a subject's body lumen, positioning the subject in a horizontal or other suitable position, and receiving data transmitted from the sensing device.

WO 2004/058043 A3



— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

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.

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

11 November 2004

INTERNATIONAL SEARCH REPORT

International application No.

PCT/IL03/01117

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : A61B 5/00
 US CL : 600/407,109,118

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. : 600/407,109,118

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)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X,P	US 2003/0191430 A1 (D'ANDREA et al) 09 October 2003, see entire document	1-26
X	US 5,604,531 A (IDDAN et al) 18 February 1997, see entire document	1-26
X	US 2002/0198439 A1 (MIZUNO) 26 December 2002, see entire document	1-26
X	US 6,324,418 B1 (CROWLEY et al) 27 November 2001, see entire document	1-26
A	US 5,853,757 A (DURAND et al) 29 December 1998, see entire document	5-7,15-18

Further documents are listed in the continuation of Box C.

See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance	"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
"E" earlier application or patent published on or after the international filing date	"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
"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)	"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
"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"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

14 September 2004 (14.09.2004)

Date of mailing of the international search report

04 OCT 2004

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. (703) 305-3230

Authorized officer

Ruth S Smith

Telephone No. (703) 308-0858

Sheila H. Veney
 Paralegal Specialist
 Tech. Center 3700