



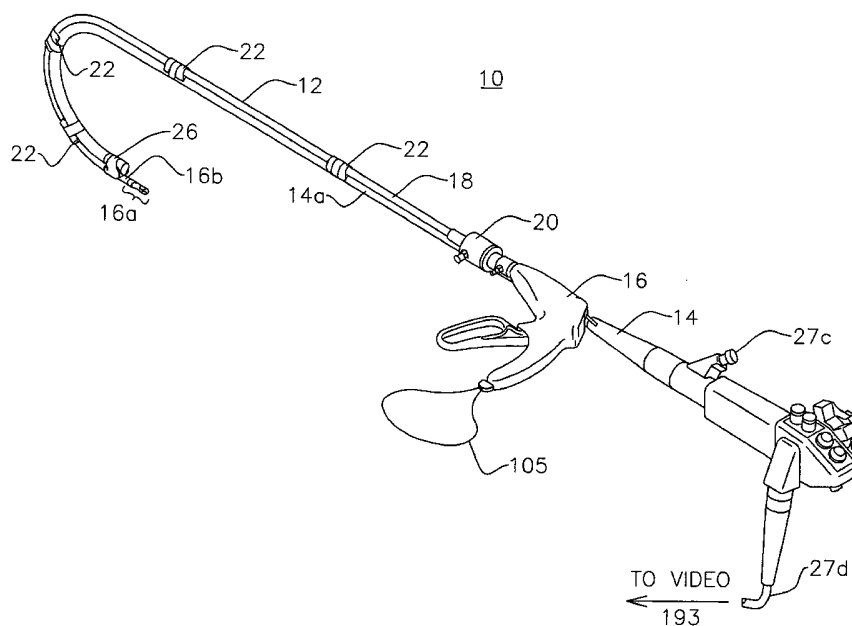
(43) International Publication Date
15 August 2002 (15.08.2002)

PCT

(10) International Publication Number
WO 2002/062200 A3

- | | |
|---|--|
| <p>(51) International Patent Classification⁷: A61B 17/36</p> <p>(21) International Application Number:
PCT/US2002/002791</p> <p>(22) International Filing Date: 1 February 2002 (01.02.2002)</p> <p>(25) Filing Language: English</p> <p>(26) Publication Language: English</p> <p>(30) Priority Data:
09/776,431 2 February 2001 (02.02.2001) US</p> <p>(71) Applicant: LSI SOLUTIONS, INC. [US/US]; 7796 Victor-Mendon Road, Victor, NY 14564 (US).</p> <p>(72) Inventors: SAUER, Jude, S.; 451 West Bloomfield Road, Pittsford, NY 14534 (US). FITZSIMMONS, Michael, W.; 218 Rutgers Street, Rochester, NY 14607 (US). BOVARD, Mark, A.; 86 West Bloomfield Road, Pittsford, NY 14534 (US).</p> <p>(74) Agent: LUKACHER, Kenneth, J.; South Winton Court, Suite 204, 3136 Winton Road South, Rochester, NY 14623 (US).</p> | <p>(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, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZM, ZW.</p> <p>(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, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).</p> <p>Published:
— with international search report</p> <p>(88) Date of publication of the international search report:
19 February 2004</p> <p><i>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.</i></p> |
|---|--|

(54) Title: SYSTEM FOR ENDOSCOPIC SUTURING

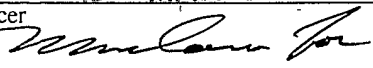


(57) Abstract: A system (10) for endoscopic suturing is provided having an endoscope (14), such as a gastroscope, with a distal end locatable in the body of a patient and a flexible shaft (14a) extending to the distal end, a flexible accessory tube (12) coupled to the endoscope (14) to be movable relative to the endoscope's shaft (14a), and a tip (26) coupled to the shaft of the endoscope (14) having an opening (26b) through which one end of the accessory tube (18) is received. The system further includes a suture securing instrument (16) having a partially flexible shaft locatable through the accessory tube, and a distal end coupled to the shaft

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US02/02791

A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : A61B 17/36 US CL : 606/139, 144, 148, 149, 150 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. : 606/139, 144, 148, 149, 150 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.
Y	US 5,954,731 A (YOON) 21 September 1999 (21.09.1999), entire document.	1-44
Y	US 5,792,153 A (SWAIN et al.) 11 August 1998 (11.08.1998), entire document.	1-44
Y	US 5,755,730 A (SWAIN et al.) 26 May 1998 (26.05.1998), entire document.	1-44
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/> 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 "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 "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 "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 "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 "&" document member of the same patent family		
Date of the actual completion of the international search 21 January 2003 (21.01.2003)		Date of mailing of the international search report 24 MAR 2003
Name and mailing address of the ISA/US Commissioner of Patents and Trademarks Box PCT Washington, D.C. 20231 Facsimile No. (703)305-3230		Authorized officer John Calvert  Telephone No. 703-308-0861