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(54) Title: FLUORESCENT SURGICAL DEVICE

(57) Abstract: This invention provides surgical articles, including needles (10), other hardware, and surgical supplies that include an element that fluoresces upon exposure to ultraviolet light (5). This quality makes the surgical articles (10) more visible against their background, and facilitates the location of missing items that may be inadvertently dropped or retained during surgery, and also facilitates the inspection of items placed in surgery.

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 01/28194

**A. CLASSIFICATION OF SUBJECT MATTER**

IPC 7 A61B17/00 A61B19/00

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 7 A61B

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 practical, search terms used)

EPO-Internal, WPI Data

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 3 840 015 A (GAIN) 8 October 1974 (1974-10-08) the whole document ---	1-6
X	WO 99 04719 A (KARL STORZ GMBH & CO. (DE)) 4 February 1999 (1999-02-04) abstract; claims; figures page 4, line 10 -page 5, line 3 page 9, line 13-16 ---	1-6
X	US 5 002 561 A (FISHER) 26 March 1991 (1991-03-26) column 4, line 13,14; claims 1,17; figures ---	1-3,5,6
X	GB 2 272 457 A (WHITELEY) 18 May 1994 (1994-05-18) the whole document -----	1-3,5,6

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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# INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report	A	Publication date	Patent family member(s)				Publication date
US 3840015	A	08-10-1974	NONE				
WO 9904719	A	04-02-1999	DE 19731894 C1				12-05-1999
			WO 9904719 A1				04-02-1999
			EP 0998239 A1				10-05-2000
US 5002561	A	26-03-1991	NONE				
GB 2272457	A	18-05-1994	NONE				