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(54) Title: PLASMA COATED SUTURES

(57) Abstract: Suture filaments coated by a plasma polymerization process exhibit a good balance of knot run down and knot security characteristics, superior tissue drag characteristics, and improved fray resistance.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US02/27621

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : B05D 1/34, 3/04, 3/06; A61L 27/00, 27/28, 31/00, 31/08
 US CL : 427/2.1, 2.31, 487, 488; 606/228

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. : 427/2.1, 2.31, 487, 488; 606/228

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)
 Please See Continuation Sheet

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 6,263,249 A (STEWART et al.) 17 July 2001 (17.07.2001), col. 9, line 63-col. 10, line 10, col. 10, line 63-col. 11, line 10.	1-29
Y,P	US 2002/0169493 A1 (WIDENHOUSE et al.) 14 November 2002 (14.11.2002), abstract, paragraph 22.	1-29
Y,P	US 2003/0074022 A1 (ROBY) 17 April 2003 (17.04.2003), throughout.	1-29

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		

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INTERNATIONAL SEARCH REPORT

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Continuation of B. FIELDS SEARCHED Item 3:

EAST

search terms: plasma polymeriz\$4, suture, filament, \$siloxane