

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
18 April 2002 (18.04.2002)

PCT

(10) International Publication Number  
WO 2002/030262 A3

(51) International Patent Classification<sup>7</sup>: A61B 17/56

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, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.

(21) International Application Number:  
PCT/US2000/027670

(22) International Filing Date: 7 October 2000 (07.10.2000)

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, 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), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

(25) Filing Language: English

(26) Publication Language: English

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Published:  
— with international search report

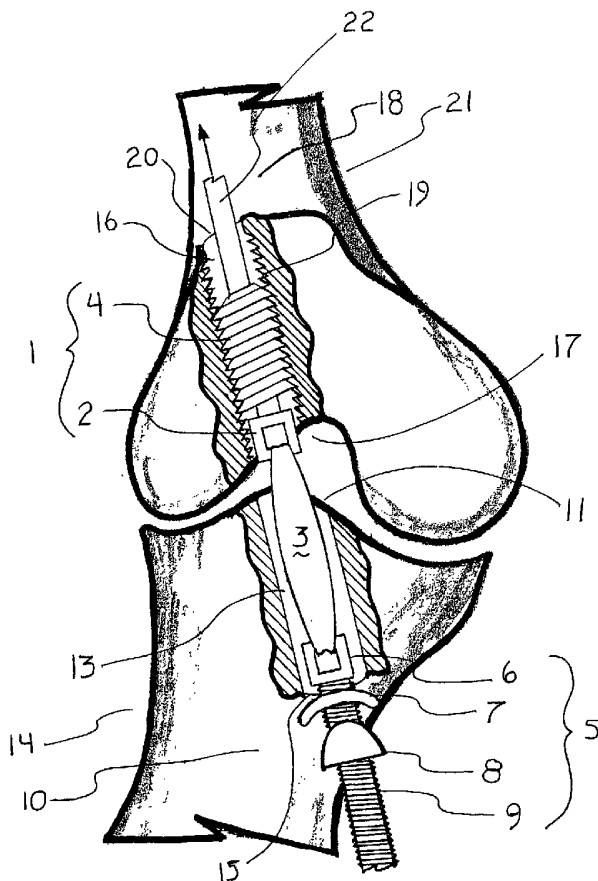
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(88) Date of publication of the international search report:  
8 January 2004

(81) Designated States (national): AE, AG, AL, AM, AT, AU,  
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ,  
DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR,

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.

(54) Title: ORTHOPEDIC SWIVEL SCREW



(57) Abstract: An orthopedic swivel screw (1) comprises a threaded shaft (4) and a tissue retainer (2), which elements are held together by a swivel joint. By virtue of its design, the swivel screw can be installed into a bore (16) in a bone (21) by turning and either pushing or pulling the treaded (4) shaft with a tool. Use of the swivel screw (4) for repair of the ACL, in particular ligament replacement, eliminates or at least minimizes the twisting that typically occurs during conventional ACL repair surgery. In addition, tension of the ligament graft can be precisely adjusted by using the swivel screw in combination with a tension-adjusting device (5) such as a split-nut fastener or a tension bolt (9).

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# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/US00/27670

**A. CLASSIFICATION OF SUBJECT MATTER**  
 IPC(7) : A61B 17/56  
 US CL : 606/73, 232  
 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. : 606/72,73,232;411/400,340

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)

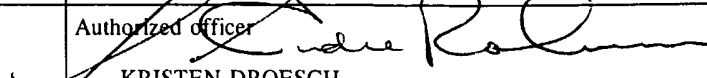
**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X - Y	US 5,129,902 A (Goble et al.) 14 July 1992, col. 4, lines 41-59	1-9, 13-20, 30-32, 60-61, 63 - 11-12,21-29 , 33-45
Y	US 5,002,574 A (MAY ET AL.) 26 MARCH 1991, SEE ENTIRE DOCUMENT.	33-45
Y	✓ US 5,718,706 A (ROGER) 14 JULY 1992, SEE ENTIRE DOCUMENT.	10-12, 21-29
A	US 4,708,132 A (SILVESTRINI) 24 NOVEMBER 1987.	

Further documents are listed in the continuation of Box C.     See patent family annex.

<p>* Special categories of cited documents:</p> <p>"A" document defining the general state of the art which is not considered to be of particular relevance</p> <p>"E" earlier document published on or after the international filing date</p> <p>"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)</p> <p>"O" document referring to an oral disclosure, use, exhibition or other means</p> <p>"P" document published prior to the international filing date but later than the priority date claimed</p>	<p>"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</p> <p>"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</p> <p>"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</p> <p>"&amp;" document member of the same patent family</p>
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Date of the actual completion of the international search 21 DECEMBER 2000	Date of mailing of the international search report <b>31 MAR 2003</b>
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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  KRISTEN DROESCH Telephone No. (703) 605-1185
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# INTERNATIONAL SEARCH REPORT

International application No.

PCT/US00/27670

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5,458,601 A (YOUNG JR. ET AL.) 17 OCTOBER 1995.	
A	US 6,036,694 A (GOBLE ET AL.) 14 MARCH 2000.	
A,P	US 6,162,234 A (FREEDLAND ET AL.) 19 DECEMBER 2000.	