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(71) Applicant (for all designated States except US): **HELIX MEDICAL, INC.** [US/—]; 1110 Mark Avenue, Carpinteria, CA 93013 (US).

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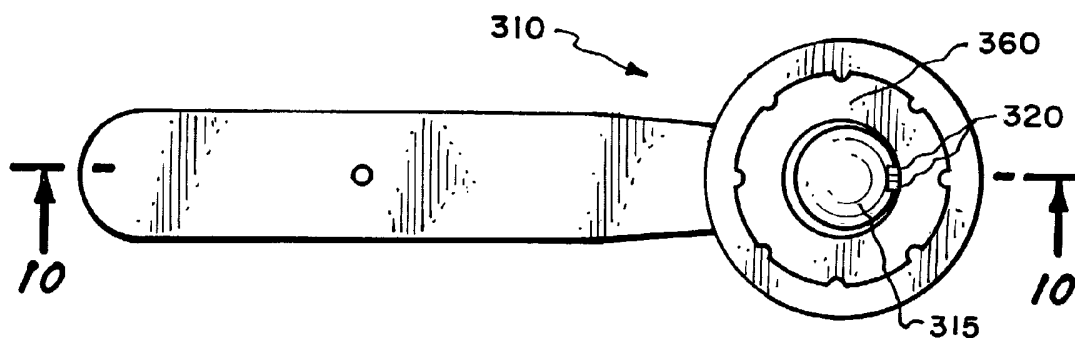
For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(72) Inventors; and

(75) Inventors/Applicants (for US only): **SEDER, Edmund, V.** [US/US]; 500 Barker Pass Road, Santa Barbara, CA 93108 (US). **NELSON, Jesse, N.** [US/US]; 407 Camino Talavera, Goleta, CA 93117 (US).

(74) Agent: **JACOBS, Marvin, E.**; Koppel & Jacobs, 2151 Alessandro Drive, Suite 215, Ventura, CA 93001 (US).

(54) Title: MEDICAL DEVICES HAVING ANTIMICROBIAL PROPERTIES



(57) Abstract: Microbial growth on a first surface of a medical device in indirect contact with tissue such as a prosthesis and particularly a valve (60), cartridge (212) or ring (82) in a voice prosthesis (10), is inhibited by providing antimicrobial activity at a level sufficient to retard growth of a microbial film by dispersing an antimicrobial agent such as triclosan or butyl paraben dispersed in a medical grade silicone elastomer. The valve (60), ring (82) or cartridge (212) is in contact with body fluids containing microorganisms and nutrients therefore. The antimicrobial surface can interfere with or inhibit the growth of a biofilm, bacterial layer or a yeast layer. The body of the prosthesis may also contain an antimicrobial surface as long as it is non-toxic to the tissue it contacts.



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INTERNATIONAL SEARCH REPORT

International application No.

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : A61F 2/20

US CL : 623/9

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. : 623/9

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 5,578,083 A (LAGUETTE et al) 26 November 1996 (26.11.1996), see Fig.1.	1-22
Y	US 5,474,797 A (SIOHANSI et al) 12 December 1995 (12.12.1995), see col. 2, lines 32-40, col. 4, lines 6-13.	1-12, 14-22
Y	WO 97/14447 A1 (PRISCOTT) 24 April 1997 (24.04.1997), see pages 3-4.	1-11, 13-22



Further documents are listed in the continuation of Box C.



See patent family annex.

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"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		

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Box PCT
Washington, D.C. 20231

Facsimile No.

Authorized officer

Corrine McDermott

Telephone No. 703 308 0850