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(54) Title: PROSTHETIC DEVICE

(57) Abstract: A prosthetic device includes a first component and a second component. The first component of the prosthetic device includes a polymer composite configured as an articular surface and having a wear rate of less than approximately 10^{-7} mm³/Nm. The polymer composite includes a first polymer and a second polymer. The first polymer comprises at least 10 weight percent of the polymer composite. The second component of the prosthetic device is configured to be implanted on a bone and includes a region of porosity that is customized for bone in-growth in a specific joint of a patient.



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INTERNATIONAL SEARCH REPORT

International application No.

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A. CLASSIFICATION OF SUBJECT MATTER

IPC: A61F 2/30,2/02

USPC: 623/18.11,23.72-23.76

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. : 623/18.11, 23.72-23.76

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
none

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
none

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 6,695,884 B1 (Townley) 24 February 2004 (24.02.2004), see Fig. 30; col. 1, lines 50-54; col. 4, lines 21-67.	1-62
Y	US 5,665,825 (Davies et al) 9 September 1997 (09.09.1997), see col. 1, lines 5-55.	1-62

☐ 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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