Title: ENERGY RETURNING PROSTHETIC JOINT

Abstract: An energy returning prosthetic joint arranged for use as a knee joint in prosthetic limbs includes a biasing or spring member (16) connected to upper and lower attachment members (18, 20). The spring member (16) includes a composite material having an energy returning property.
before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments.

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.

(88) Date of publication of the international search report:
3 May 2007
### INTERNATIONAL SEARCH REPORT

**International application No**

PCT/US06/26738

---

#### A. CLASSIFICATION OF SUBJECT MATTER

<table>
<thead>
<tr>
<th>IPC(8) -</th>
<th>USPC -</th>
</tr>
</thead>
<tbody>
<tr>
<td>A61F 2/74 (2007 01)</td>
<td>623/27</td>
</tr>
</tbody>
</table>

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(8) - A61F 2/74 (2007 01)
  - USPC - 623/28, 32, 33, 39, 41, 42, 46, 47, 49-52, 55

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

#### C. DOCUMENTS CONSIDERED TO BE RELEVANT

<table>
<thead>
<tr>
<th>Category*</th>
<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim No</th>
</tr>
</thead>
<tbody>
<tr>
<td>X</td>
<td>US 5,062,859 A (NAEDER) 05 November 1991 (05 11 1991) entire document</td>
<td>1, 2, 4-5</td>
</tr>
<tr>
<td>X</td>
<td>US 5,458,656 A (PHILLIPS) 17 October 1995 (17 10 1995) entire document</td>
<td>6, 7, 8, 10, 16, 17-21</td>
</tr>
</tbody>
</table>

* Special categories of cited documents
  - "A" document defining the general state of the art which is not considered to be of particular relevance
  - "E" earlier application or patent but published on or after the international filing date
  - "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)
  - "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

"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

"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

"Y" document of particular relevance, the claimed invention cannot be considered to involve an inventive step when the document is taken alone but in combination with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

19 January 2007

Date of mailing of the international search report

20 FEB 2007

Name and mailing address of the ISA/US

Mail Stop PCT, Attn: ISA/US, Commissioner for Patents
P.O. Box 1450, Alexandria, Virginia 22313-1450
Facsimile No 571-273-3201

Authorized officer

Blaine R Copenhaver

PCT Helpdesk 571-272-4000
PCT OSP 571 272-7774

Form PCT/ISA/210 (second sheet) (April 2005)