The present invention relates to a system for use in rehabilitation and/or physical therapy for the treatment of injury or disease. The system can enable an amputee to proceed over any surface without overbalancing. In particular, the system is self-adapting to adjust the torque moment depending upon the motion, the extent of inclination, and the surface topography.
## INTERNATIONAL SEARCH REPORT

**A CLASSIFICATION OF SUBJECT MATTER**

<table>
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<tr>
<th>IPC(8)</th>
<th>USPC  - 623/52</th>
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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)

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

623/47,50,51

## C DOCUMENTS CONSIDERED TO BE RELEVANT

<table>
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<tr>
<th>Category*</th>
<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim No</th>
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<tr>
<td>A</td>
<td>US 2004/0064195 A1 (HERR) 01 April 2004 (01 04 2004)</td>
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<td>A</td>
<td>US 6,443,993 B1 (KONIUK) 03 September 2002 (03 09 2002)</td>
<td>1-74</td>
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Further documents are listed in the continuation of Box C

## D

- **A** Special categories of cited documents
  - **E** document defining the general state of the art which is not considered to be of particular relevance
  - **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 combined 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: 15 April 2008 (15 04 2008)

Date of mailing of the international search report: 08 MAY 2008

Name and mailing address of the ISA/US

P.O. Box 1450, Alexandria, Virginia 22313-1450

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PCT Helpdesk 571-272300

PCT OSP 571-272 7774