Title: TORSO ASSIST ORTHOSIS

Abstract: An orthopedic support device with an upper body engaging portion and a lower body engaging portion connected by a hinge or pivot and including a spring assist device. The orthopedic support device configured to provide assistance to a user in returning the user's torso from a forward leaned position to a vertical position. The device may be selectively engaged to permit the user to sit normally while wearing the device. The spring assist device may include a coil spring. The spring may be changeable to adapt to the level of assistance an individual user requires. The spring assist device may include a preload adjustment.

Published:

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— before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))

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A. CLASSIFICATION OF SUBJECT MATTER

A61F 5/02(2006.01)i, A61F 5/01(2006.01)i

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)
A61F 5/02; A63B 21/02; F16D 65/14; A61F 5/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
Korean utility models and applications for utility models
Japanese utility models and applications for utility models

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)
eKOMPASS/KIPO internal) & Keywords: orthopedic, spring, hinge

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>
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<tr>
<td>X</td>
<td>US 2008-0161738 A1 (GIESEN DIRK) 03 July 2008 See claims 1-26, abstract, figures 1-7, and summary of the invention.</td>
<td>1-14</td>
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<td>DE 19652416 A1 (BRAUNE H.) 10 June 1998 See claims 1-18, abstract and figures 1-7.</td>
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<td>A</td>
<td>US 2005-0130815 A1 (MOHAMMAD ABDOLI-ERAMAKI ) 16 June 2005 See the whole document.</td>
<td>1-14</td>
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</table>

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

* Special categories of cited documents:
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Date of the actual completion of the international search
20 JUNE 2011 (20.06.2011)

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### INTERNATIONAL SEARCH REPORT

Information on patent family members

<table>
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