Abstract: A simple, adjustable lift system to load a cot bearing a patient into and out of an ambulance and a method of transferring a load on a transport into a vehicle is provided. More specifically, the lift system provides a pair of rails that may be adjusted to accommodate any cot currently in use by an ambulance. The rail system is extendable and is operated by a linear actuator to couple to a cot or other transport and lift the cot or other transport to a height from which the cot may be laterally inserted into the ambulance without undue strain on the EMT, firefighter, or other user.
### INTERNATIONAL SEARCH REPORT

**International application No.**

PCT/US2012/029044

---

**A. CLASSIFICATION OF SUBJECT MATTER**

IPC(8) - A61 G 3/00 (2012.01)

USPC - 296/1 9

---

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

IPC(8) - A61G 1/02, 3/00, 8/02; B60P 1/02; B62C 1/06 (2012.01)

USPC - 296/16, 19, 20, 26.05, 26.06, 26.07, 83.1; 414/495, 522, 540, 541, 542, 546, 921

---

**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>Y</td>
<td>US 5,253,973 A (FRETWELL) 19 October 1993 (19.10.1993) entire document</td>
<td>3, 16-20</td>
</tr>
<tr>
<td>Y</td>
<td>GB 2 420 323 A (SALEEM et al) 24 May 2006 (24.05.2006) entire document</td>
<td>9</td>
</tr>
</tbody>
</table>

---

**Date of the actual completion of the international search**

01 June 2012

**Date of mailing of the international search report**

20 JUN 2012

---

**Name and mailing address of the ISA/US**

Mal 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

---

Form PCT/ISA/210 (second sheet) (July 2009)