



(19) **United States**

(12) **Patent Application Publication** (10) **Pub. No.: US 2007/0023379 A1**

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(43) **Pub. Date:**

**Feb. 1, 2007**

(54) **LOAD HOIST ARRANGEMENT**

(52) **U.S. Cl.** ..... 212/330

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(57) **ABSTRACT**

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This invention relates to a load hoist arrangement (1) comprising a control device (50) arranged between a traverse device and a load carrying device (52). The load carrying device (52) is manually guidable in a three-dimensional space and lateral movement of said load carrying device (52) is controlled by a driving device. The driving device is controlled by recorded and transmitted force impacts from said control device (50) to said driving device. The traverse device has support elements (5, 6, 7) for supporting a traveling bridge (4), arranged to travel along said support elements (5, 6, 7), and a carriage (3) arranged to travel back and forth on said traveling bridge (4). The driving device comprises at least one motor, provided with at least two driving wheel units (15, 16), secured to said carriage (3) and two drag elements (21, 21') secured at its end portions to opposite end portions of said support elements (5, 6) and crossing at said traveling bridge (4). The drag elements (21, 21') crossing each other at said carriage (3) arranged such that a first driving wheel unit (15) works in contact with one drag element (21) and a second driving wheel unit (16) works in contact with another drag element (21'), thereby moving the carriage (3) and hence the load carrying device (52) in the lateral direction during operation.

(21) Appl. No.: **10/548,539**

(22) PCT Filed: **Mar. 4, 2004**

(86) PCT No.: **PCT/SE04/00299**

§ 371(c)(1),  
(2), (4) Date: **May 17, 2006**

(30) **Foreign Application Priority Data**

Mar. 10, 2003 (SE) ..... 0300638-4

**Publication Classification**

(51) **Int. Cl.**  
**B66C 19/00** (2006.01)

