(19) Europäisches Patentamt
European Patent Office
Office européen des brevets

(11) **EP 1 908 721 A8**

(12) **CORRECTED EUROPEAN PATENT APPLICATION**
published in accordance with Art. 153(4) EPC

(15) Correction information:
Corrected version no 1 (W1 A1)
Bibliography INID code(s) 71

(48) Corrigendum issued on:
25.06.2008 Bulletin 2008/26

(43) Date of publication:
09.04.2008 Bulletin 2008/15

(21) Application number: **06708825.2**

(22) Date of filing: **10.01.2006**

(51) Int Cl.:
B66B 5/04 *(2006.01)* ***F16D 65/14*** *(2006.01)*

(86) International application number:
PCT/ES2006/000006

(87) International publication number:
WO 2007/006818 (18.01.2007 Gazette 2007/03)

(84) Designated Contracting States:
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

(30) Priority: **08.07.2005 ES 200501675**

(71) Applicant: **ORONA, S. COOP.**
20120 Hernani (Guipuzcoa) (ES)

(72) Inventors:
- **MADOZ MICHAUS, Miguel Angel**
  E-20120 Hernani (guipuzcoa) (ES)
- **ALONSO MARITXALAR, Anartz**
  E-20120 Hernani (guipuzcoa) (ES)
- **MARTINEZ NOGUERA, Félix**
  E-20500 Arrasate-Mondragon (guipuzcoa) (ES)

(74) Representative: **Carpintero Lopez, Francisco**
HERRERO & ASOCIADOS, S.L.
Alcalá, 35
28014 Madrid (ES)

(54) MECHANISM FOR DETECTING OVERSPEED IN LIFTING APPARATUSES, OVERSPEED PREVENTION SAFETY ACTUATION DEVICE AND LIFTING APPARATUS

(57) The invention relates to an overspeed detection mechanism in lift apparatuses, safety device acting against overspeed and a lift apparatus, which detection mechanism can be assembled on a sheave (50, 50') or on the elevator car (3). It incorporates a wheel (13) rotating according to the speed of the car (3) and has pivoting arms (20, 21) swinging through the centrifugal force during the rotation of the wheel (13). It has magnetic means associated to the pivoting arms (20, 21) causing an attraction maintaining the position of the pivoting arms (20, 21) until the centrifugal force exceeds the attraction of the magnetic means. It incorporates a stop (30), belonging to a part (11-11') external to the wheel (13) against which the pivoting arm (20, 21) comes into contact when the centrifugal force generated on the pivoting arm (20, 21) due to the overspeed of the elevator car (3) exceeds the attractive force of the magnetic means, starting the braking of the car (3).

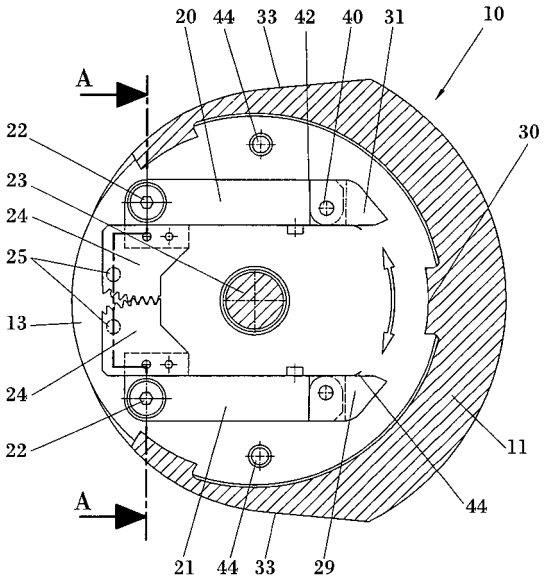

FIG. 1

EP 1 908 721 A8