

Title (en)  
DEVICE FOR VERTICALLY MOVING ONE OR MORE OBJECTS WHILE MAINTAINING THEIR INITIALLY DEFINED ORIENTATION AND POSITIONING

Title (de)  
VORRICHTUNG ZUM VERTIKALEN BEWEGEN EINES ODER MEHRERER GEGENSTÄNDE UNTER AUFRECHTERHALTUNG IHRER URSPRÜNGLICH DEFINIERTEN AUSRICHTUNG UND POSITIONIERUNG

Title (fr)  
DISPOSITIF POUR DEPLACER VERTICALEMENT UN OU PLUSIEURS OBJETS TOUT EN CONSERVANT LEUR ORIENTATION ET LEUR POSITIONNEMENT DEFINIS INITIALEMENT

Publication  
**EP 1625092 A1 20060215 (FR)**

Application  
**EP 04742845 A 20040413**

Priority  
• FR 2004050159 W 20040413  
• FR 0304521 A 20030411

Abstract (en)  
[origin: FR2853642A1] The device has strands (4) mounted on a common shaft (2), and a motor (1) for rotatably driving the shaft and for driving winding modules (3) of the strands. Each strand is released independently and automatically, when an object is in contact with a bearing. Each module is connected to the shaft by friction under the action of a spring (7) whose pressure defines releasing torque.

IPC 1-7  
**B66D 1/30; A63J 1/02**

IPC 8 full level  
**B66D 1/14** (2006.01); **B66D 1/26** (2006.01); **B66D 1/58** (2006.01)

CPC (source: EP)  
**B66D 1/14** (2013.01); **B66D 1/26** (2013.01); **B66D 1/58** (2013.01)

Citation (search report)  
See references of WO 2004096692A1

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DOCDB simple family (publication)  
**FR 2853642 A1 20041015; FR 2853642 B3 20050708**; AT E386703 T1 20080315; DE 602004011929 D1 20080403; EP 1625092 A1 20060215; EP 1625092 B1 20080220; WO 2004096692 A1 20041111

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