

Title (en)  
Apparatus for lifting and moving objects

Title (de)  
Vorrichtung zum Heben und Bewegen von Gegenständen

Title (fr)  
Dispositif pour soulever et mouvoir des objets

Publication  
**EP 1666400 A2 20060607 (EN)**

Application  
**EP 05111618 A 20051202**

Priority  
IT UD20040226 A 20041203

Abstract (en)  
Apparatus (10) for lifting and moving an object, comprising a lifting member (18) provided with at least a cable (19) to support the object, and associated with translation means able to move the lifting member (18) horizontally together with the cable (19); in the apparatus a command device is provided for commanding the translation means (11-14, 16-17) which comprises a plurality of contact elements (25) disposed, angularly off-set, around a substantially vertical segment of the cable (19) and associated with corresponding load cells (27) able to detect the thrust of the cable (19) on the contact elements (25) following an external impulse determined by the inclination and thrust of the cable (19) in a set direction caused by an operator; the load cells (27) are able to generate an electric signal to drive the translation means (11-14, 16-17) according to the thrust detected by the load cells (27), to determine a horizontal displacement of the lifting member (18) and of the cable (19) in the set direction.

IPC 8 full level  
**B66C 13/40** (2006.01); **B66C 11/06** (2006.01)

CPC (source: EP)  
**B66C 11/06** (2013.01); **B66C 13/22** (2013.01); **B66C 13/30** (2013.01); **B66C 13/40** (2013.01); **B66D 3/18** (2013.01)

Cited by  
CN113979315A; CN103863950A; US11208305B2; CN114803861A; WO2018178516A1; WO2023055309A1

Designated contracting state (EPC)  
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

DOCDB simple family (publication)  
**EP 1666400 A2 20060607**; **EP 1666400 A3 20070228**; IT UD20040226 A1 20050303

DOCDB simple family (application)  
**EP 05111618 A 20051202**; IT UD20040226 A 20041203