

Title (en)

A LIFTING DEVICE FOR THE CONTROLLED VERTICAL TRANSFER OF OBJECTS

Title (de)

VORRICHTUNG ZUR VERTIKALEN HEBESTEuerung VON GEGENSTÄNDEN

Title (fr)

DISPOSITIF ELEVATEUR POUR DEPLACER DES OBJETS VERTICALEMENT DE FA ON CONTROLEE

Publication

EP 0774097 A1 19970521 (EN)

Application

EP 94904372 A 19940104

Priority

- SE 9400004 W 19940104
- SE 9300035 A 19930108

Abstract (en)

[origin: WO9416267A1] A lifting device for the controlled vertical movement of objects, especially such objects, to which is conveyed an electric current through a line, such as chandeliers, is described. It is especially characterized by the combination of a relatively longitudinal support (1), provided with longitudinal guiding means (2), furthermore a threaded, preferably trapezoidally-threaded driving shaft (3) journaled in the ends of the support (1), which shaft is driven by a motor (5) via a worm gear unit (4), furthermore a carriage (6) guided by said longitudinal guiding means (2) which carriage is movable in the longitudinal direction of the support (1) with a nut (8) fastened to the carriage, cooperating with said driving shaft (3), furthermore a shaft (9) provided perpendicularly in the support (1) carrying a first gear ring (10) and a chain (15) relatively heavy and stable to turning, running over said gear ring (10), the chain (15) being driven by said carriage (6) to change its position in relationship to the support (1) as the position of the carriage (6) is changed in relationship to the support (1) by the driving shaft (3), the chain carrying in a first end said object.

IPC 1-7

F21V 21/36; B66F 19/00

IPC 8 full level

B66D 3/18 (2006.01); **F21V 21/36** (2006.01)

CPC (source: EP)

B66D 3/18 (2013.01); **F21V 21/36** (2013.01)

Citation (search report)

See references of WO 9416267A1

Designated contracting state (EPC)

AT BE CH DE DK FR GB IT LI NL

DOCDB simple family (publication)

WO 9416267 A1 19940721; AT E209317 T1 20011215; DE 69429194 D1 20020103; DE 69429194 T2 20020814; DK 0774097 T3 20020521; EP 0774097 A1 19970521; EP 0774097 B1 20011121; FI 107291 B 20010629; FI 953350 A0 19950707; FI 953350 A 19950707; NO 319244 B1 20050704; NO 952709 D0 19950707; NO 952709 L 19950707; SE 470403 B 19940214; SE 9300035 D0 19930108; SE 9300035 L 19940214

DOCDB simple family (application)

SE 9400004 W 19940104; AT 94904372 T 19940104; DE 69429194 T 19940104; DK 94904372 T 19940104; EP 94904372 A 19940104; FI 953350 A 19950707; NO 952709 A 19950707; SE 9300035 A 19930108