

Title (en)

Apparatus for lifting and handling sheet-material for covering ceilings

Title (de)

Vorrichtung zum Heben und Manipulieren von Platten zum Verkleiden von Decken

Title (fr)

Appareil de levage et de manutention de plaques de matériau destinées notamment à la couverture de plafond

Publication

**EP 0969165 B1 20040303 (FR)**

Application

**EP 99420132 A 19990611**

Priority

FR 9808495 A 19980630

Abstract (en)

[origin: EP0969165A1] The apparatus for ceiling cover plates (2) comprises a vertical carrying structure (3). This structure receives a lower column (9a) of a telescopic mast and a support platform for a motor unit (11). The motor output shaft is connected to a vertical endless screw (13) guided inside the telescopic mast. The screw is coupled to a bearing unit (18) integral with the mast intermediate movable part (9b). The motor rotates the screw and linearly displaces the nut to drive the mast intermediate part and then the mast upper part (9c). Work and safety cables (16,17) are fixed to the mast components and to the carrying structure.

IPC 1-7

**E04F 21/18**

IPC 8 full level

**E04F 21/18** (2006.01)

CPC (source: EP)

**E04F 21/1805** (2013.01); **E04F 21/1811** (2013.01)

Cited by

CN111779240A; CN112518377A; FR2823534A1; US7387293B2; US7811040B2; EP1927707A1; FR2909398A1; EP2573297A1; FR2980504A1

Designated contracting state (EPC)

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**EP 0969165 A1 20000105**; **EP 0969165 B1 20040303**; DE 69915177 D1 20040408; DE 69915177 T2 20050224; ES 2216470 T3 20041016; FR 2780428 A1 19991231; FR 2780428 B1 20000825

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