

Title (en)
Apparatus for positioning ceiling panels

Title (de)
Gerät zum Anbringen von Deckplatten

Title (fr)
Appareil pour la mise en place de plaques de plafond

Publication
EP 0856621 A1 19980805 (FR)

Application
EP 97420218 A 19971120

Priority
• CA 2259490 A 19990204
• FR 9701240 A 19970130
• US 25989399 A 19990227

Abstract (en)
The installer comprises a base support (1) on rollers (7) and a central telescopic mast of two or more parts (10,11,12). The mast is elongated by a manual hoist (13) and a cable. There is an inclined tile support (4) at the top of the mast. A safety brake (31,32) between two consecutive mast parts (10,11 and 11,12) has a jaw pivoted about a horizontal spindle connected to the top of the mast's exterior (10,11) and located on the side of this part. The jaw has an active surface located higher than its pivoting spindle which friction engages a side face of the mast's interior. The jaw carries an activating lever arm (37,38), and a spring (35,36) returns the jaw to its position in which its active surface engages with the side face of the interior. The apparatus includes simple safety brakes which intervene if the mechanical hoist fails and ensure locking in the event of a very heavy load.

Abstract (fr)
L'appareil comprend un pied-support (1), un mât central télescopique (2) en deux ou plusieurs éléments (10, 11, 12), dont l'allongement est obtenu au moyen d'un treuil manuel (13), et un support de plaques (4) inclinable, monté au sommet du mât (2). Entre deux éléments de mât consécutifs (10, 11, et 11, 12) est monté au moins un frein de sécurité (31, 32). Chaque frein (31, 32) comprend une mâchoire montée pivotante autour d'un axe horizontal lié au sommet de l'élément de mât extérieur (10, 11) et situé sur le côté de cet élément. La mâchoire porte un bras de levier (37, 38) servant de manette d'actionnement. Des ressorts (35, 36) rappellent cette mâchoire vers sa position active, en contact de frottement avec l'élément de mât intérieur (11, 12). <IMAGE>

IPC 1-7
E04F 21/18; E04G 25/08

IPC 8 full level
E04F 21/18 (2006.01); **E04G 25/08** (2006.01)

CPC (source: EP US)
E04F 21/1811 (2013.01 - EP US); **E04F 21/1822** (2013.01 - EP US)

Citation (search report)
• [DY] FR 2538437 A1 19840629 - CHATELLERAULT ARMES CYCLES [FR]
• [DY] DE 29501130 U1 19950420 - KRAUS DACHBAU GMBH [DE]
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Designated contracting state (EPC)
AT BE CH DE DK ES FI GB GR IE IT LI NL PT SE

DOCDB simple family (publication)
EP 0856621 A1 19980805; EP 0856621 B1 20011010; AT E206792 T1 20011015; CA 2259490 A1 20000804; DE 69707258 D1 20011115; DE 69707258 T2 20020704; ES 2166519 T3 20020416; FR 2758844 A1 19980731; FR 2758844 B1 19990305; US 6176063 B1 20010123

DOCDB simple family (application)
EP 97420218 A 19971120; AT 97420218 T 19971120; CA 2259490 A 19990204; DE 69707258 T 19971120; ES 97420218 T 19971120; FR 9701240 A 19970130; US 25989399 A 19990227