

Title (en)
Improved device for operating venetian blinds situated inside sealed cavity glass panes or double-glazing units

Title (de)
Betätigungsvorrichtung für in Isolierglas- oder Doppelscheibenfenstereinheiten angeordnete Lamellen-Jalousien

Title (fr)
Dispositif d'actionnement de stores vénitiens installés dans des fenêtres isolantes ou des unités de double vitrage

Publication
EP 1087095 A1 20010328 (EN)

Application
EP 00120634 A 20000921

Priority
IT TV990104 A 19990923

Abstract (en)
Device for effecting both the upward and downward movements of venetian blinds and the tilting movement of their slats by means of the actuation of a single mechanism. The venetian blinds (30), inserted in cavities (24) between glass panes (12, 14) of double-glazing units (10), are activated upwards or downwards by a plurality of flexible cables (38) designed to be accommodated by helical grooves (90) formed on the side surface of cylindrical winding devices (88) rotated by a shaft (86) common to all the winding devices (88), said winding devices having their helical grooves (90) also engaged in correspondingly threaded holes (94) of rocker elements (92) provided with slots (96) designed to accommodate a plurality of flexible cables (42) controlling, with their movement, the tilt of slats (32) which form the venetian blinds (30), where the rocker elements (92) initially rotate with the cylindrical winding devices (88), influencing the tilt of the slats (32), and then stop against cradles stops (130) present on one side of a frame (26) housing the said devices for operating the blind. <IMAGE>

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IPC 8 full level
E06B 9/264 (2006.01); **E06B 9/308** (2006.01)

CPC (source: EP)
E06B 9/264 (2013.01); **E06B 9/308** (2013.01)

Citation (search report)

- [Y] WO 9303250 A1 19930218 - GEN CLUTCH CORP [US]
- [Y] WO 9114069 A1 19910919 - HAGEN HELGE [DK]
- [A] US 4459778 A 19840717 - BALL JAMES [CA]
- [A] US 5103888 A 19920414 - NAKAMURA MOTOAKI [JP]
- [A] EP 0345007 A1 19891206 - HUNTER DOUGLAS IND BV [NL]
- [A] US 4850416 A 19890725 - EVERS ROBERT S [US]

Cited by
CN110656856A; CN110080668A; AU2006203460B2; GB2440740A; GB2440740B; IT201800009369A1; CN112789389A; US7896056B2; US10676988B2; US11859445B2

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