

Title (en)  
CATCH OF A BOWDEN CABLE WINDOW RAISER

Publication  
**EP 0382135 B1 19920812 (DE)**

Application  
**EP 90102201 A 19900205**

Priority  
DE 3903556 A 19890207

Abstract (en)  
[origin: EP0382135A1] There is described the catch of a Bowden-cable window raiser, in which the actual pane holder (4) can be adjusted independently in at least three directions. This is achieved in that a pin (1) projects from the sliding piece (8) sliding on a guide rail (3) and carries the actual pane holder (4), with a sliding block (2) interposed. The sliding block (2) is made crowned on its outer circumference, and the pane holder (4) rests on it by means of a cylindrical dome-shaped guide (4a, 4b) which surrounds the sliding block (2) and which is longer than the sliding block. Since the pin (1) is likewise longer than the sliding block (2) is thick, the pane holder (4) can move on the pin (1) both perpendicularly relative to the guide rail (3) and transversely relative to the guide rail (3). The crowned outer shape of the sliding block (2) makes it possible for the pane holder (4) also to tilt on this sliding block (2) perpendicularly to the guide rail (3). <IMAGE>

IPC 1-7  
**E05F 11/38**; **E05F 11/48**

IPC 8 full level  
**E05F 11/38** (2006.01); **E05F 11/48** (2006.01)

CPC (source: EP KR US)  
**E05F 11/38** (2013.01 - KR); **E05F 11/48** (2013.01 - KR); **E05F 11/483** (2013.01 - EP US); **E05F 11/385** (2013.01 - EP US);  
**E05F 2011/387** (2013.01 - EP US); **E05Y 2201/64** (2013.01 - EP US); **E05Y 2600/10** (2013.01 - EP US); **E05Y 2900/55** (2013.01 - EP US)

Cited by  
DE102004053924B3; DE202008014550U1; JP2014177838A; FR2739408A1; US5848496A; DE10239447B4; DE19717806B4

Designated contracting state (EPC)  
DE ES FR GB

DOCDB simple family (publication)  
**EP 0382135 A1 19900816**; **EP 0382135 B1 19920812**; CA 2009318 A1 19900807; CA 2009318 C 19950131; DE 3903556 A1 19900809;  
DE 3903556 C2 19931014; DE 59000240 D1 19920917; ES 2034780 T3 19930401; JP H03197786 A 19910829; JP H0737754 B2 19950426;  
KR 900012786 A 19900901; KR 930010045 B1 19931014; US 5005316 A 19910409

DOCDB simple family (application)  
**EP 90102201 A 19900205**; CA 2009318 A 19900205; DE 3903556 A 19890207; DE 59000240 T 19900205; ES 90102201 T 19900205;  
JP 2624790 A 19900207; KR 900001243 A 19900202; US 47439790 A 19900206