

Title (en)

Cable window raiser, especially for a motor vehicle.

Title (de)

Kabelhebefenster, insbesondere für Kraftfahrzeuge.

Title (fr)

Lève-vitre à câble, notamment pour véhicule automobile.

Publication

**EP 0210086 A1 19870128 (FR)**

Application

**EP 86401255 A 19860610**

Priority

FR 8510592 A 19850710

Abstract (en)

1. Window winder, particularly for a car, of the type having a curved slide (1), a carriage (6) integral with a window (8) and which can be moved along said slide (1) by means of a cable passing over two return pulleys (2, 3) and winding onto a drum (9; 16; 17) of a manipulating winch (10), said drum (9; 16; 17) having a variable cross-section in such a way that the length of the wound cable varies as a function of the position of carriage (6) on slide (1), characterized in that as the cable is constituted by two strands (S, I), each fixed to one of the ends (A, B) of drum (9; 16; 17), the cross-section increases from one end of the drum (9; 16; 17) to a maximum corresponding to the point of the slide (1) furthest from an axis (C-C) passing through the two pulleys (2, 3) and then decreases to the other end of the drum (9; 16; 17).

Abstract (fr)

Ce lève-vitre notamment pour véhicule automobile, du type comportant une glissière courbe (1), un chariot (6) solidaire d'une vitre (8) et susceptible d'être déplacé le long de ladite glissière (1) au moyen d'un câble passant sur deux poulies de renvoi (2,3) et s'enroulant sur un tambour (9) d'un treuil de manoeuvre (10), est caractérisé en ce que ledit tambour (9) présente une section transversale variable de façon que la longueur du câble enroulé varie en fonction de la position du chariot (6) sur la glissière (1).

IPC 1-7

**E05F 11/48**

IPC 8 full level

**E05F 11/48** (2006.01)

CPC (source: EP)

**E05F 11/486** (2013.01); **E05Y 2201/618** (2013.01); **E05Y 2201/654** (2013.01); **E05Y 2201/664** (2013.01); **E05Y 2900/55** (2013.01)

Citation (search report)

- [A] DE 2444273 A1 19760325 - KEIPER KG
- [A] DE 3153064 A1 19840105 - BROSE FAHRZEUGTEILE [DE]
- [A] US 4442632 A 19840417 - GRECO CLAUDIO [IT], et al
- [A] FR 2436245 A1 19800411 - HEUCHERT KARL [BR]
- [A] DE 3201098 A1 19830728 - BROSE FAHRZEUGTEILE [DE]

Cited by

DE102014001960A1; DE4423132A1; DE102015217285A1; FR2958676A1; DE102014001960B4; US11390500B2; WO2020219616A1

Designated contracting state (EPC)

DE GB IT

DOCDB simple family (publication)

**EP 0210086 A1 19870128; EP 0210086 B1 19881207**; DE 3661366 D1 19890112; FR 2584768 A1 19870116; FR 2584768 B1 19871127

DOCDB simple family (application)

**EP 86401255 A 19860610**; DE 3661366 T 19860610; FR 8510592 A 19850710