

Title (en)

Simplified manual drive system with reducer, for automobile vehicle window winder.

Title (de)

Vereinfachte manuelle Antriebsvorrichtung mit Getriebeübersetzung für Autofensterheber.

Title (fr)

Dispositif d'entraînement manuel simplifié avec réducteur pour lève-glace automobile.

Publication

EP 0342142 A1 19891115 (EN)

Application

EP 89500055 A 19890508

Priority

ES 8801431 A 19880509

Abstract (en)

The patent deals with the fact that in cable (23) type window winders, this cable is not subject to alternating flexures. The braking chamber is placed in the opposite direction to conventional ones and inserted inside the casing of the device (A), which makes the assembly considerably reduced in width and does not show any bulging or swelling towards the inside of the vehicle.

IPC 1-7

E05F 11/48

IPC 8 full level

E05F 11/48 (2006.01)

CPC (source: EP)

E05F 11/486 (2013.01); **E05Y 2900/55** (2013.01)

Citation (search report)

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- [Y] GB 1197879 A 19700708 - FIAT SPA [IT]
- [A] FR 2385869 A1 19781027 - SESSA T [IT]
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EP0997600A1; FR2785326A1

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

EP 0342142 A1 19891115; EP 0342142 B1 19930915; DE 68909104 D1 19931021; DE 68909104 T2 19940505; ES 2011655 A6 19900201; ES 2045532 T3 19940116

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