

Title (en)  
WIRE RETRACTING DEVICE OF MOTOR-POWERED WINDOW REGULATOR

Publication  
**EP 0139269 B1 19881221 (EN)**

Application  
**EP 84111988 A 19841005**

Priority  
JP 18684183 A 19831007

Abstract (en)  
[origin: EP0139269A2] In order to stably hold a drum shaft (42) of drive and driven drums (46,48) of the wire retracting device, one axial end (42b) of the shaft is supported by a bearing (40) fixed to a casing (36), and the other axial end (42a) of the same is supported by an output shaft (64) of a motor-powered drive unit (32,34).

IPC 1-7  
**E05F 15/16**; **E05F 11/48**

IPC 8 full level  
**B66D 1/30** (2006.01); **E05F 11/48** (2006.01); **E05F 15/16** (2006.01)

CPC (source: EP)  
**E05F 11/485** (2013.01); **E05F 15/689** (2015.01); **E05F 11/486** (2013.01); **E05Y 2201/654** (2013.01); **E05Y 2201/664** (2013.01); **E05Y 2800/21** (2013.01); **E05Y 2900/55** (2013.01)

Cited by  
US5588258A; ES2241386A1; EP1223284A3; EP0609582A1; EP0609583A1; US4770056A; EP1316666A1; FR2832753A1; US6874280B2; WO9947779A3

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DE FR GB

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**EP 0139269 A2 19850502**; **EP 0139269 A3 19860409**; **EP 0139269 B1 19881221**; DE 3475724 D1 19890126; JP H0329955 B2 19910425; JP S6080676 A 19850508

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