

Title (en)  
Roller with slip-clutch.

Title (de)  
Wickelwelle mit Rutschkupplung.

Title (fr)  
Arbre d'enroulement avec accouplement à glissement.

Publication  
**EP 0503161 B1 19950719 (DE)**

Application  
**EP 91122350 A 19920101**

Priority  
DE 4107611 A 19910309

Abstract (en)  
[origin: EP0503161A2] The invention relates to a roller shutter, in particular for roof windows, with a winding shaft which is preferably arranged at the top and is designed to be driven by a motor via a slip-clutch, the slip-clutch being designed to act in both directions of rotation. <IMAGE>

IPC 1-7  
**E06B 9/70**; **E06B 9/82**; **E06B 9/80**; **E06B 9/92**; **E06B 9/88**

IPC 8 full level  
**E06B 9/322** (2006.01); **E06B 9/70** (2006.01); **E06B 9/80** (2006.01); **E06B 9/82** (2006.01); **E06B 9/88** (2006.01); **E06B 9/92** (2006.01)

CPC (source: EP)  
**E06B 9/70** (2013.01); **E06B 9/80** (2013.01); **E06B 9/82** (2013.01); **E06B 9/88** (2013.01); **E06B 9/92** (2013.01)

Cited by  
AT503139B1; EP0999336A1; FR2785274A1; EP2085564A2; US8220883B2

Designated contracting state (EPC)  
AT BE CH DE DK ES FR GB GR IT LI LU NL PT SE

DOCDB simple family (publication)  
**EP 0503161 A2 19920916**; **EP 0503161 A3 19930414**; **EP 0503161 B1 19950719**; AT E125330 T1 19950815; DE 4107611 A1 19920917; DE 4107611 C2 19930603; DE 59202890 D1 19950824; ES 2075319 T3 19951001; JP H0565785 A 19930319

DOCDB simple family (application)  
**EP 91122350 A 19920101**; AT 91122350 T 19920101; DE 4107611 A 19910309; DE 59202890 T 19920101; ES 91122350 T 19920101; JP 4896092 A 19920306