

Title (en)  
Self-raising window covering

Title (de)  
Sich selbst anhebende Fensterabdeckung

Title (fr)  
Couverture de fenêtre auto-élevatrice

Publication  
**EP 2436869 A2 20120404 (EN)**

Application  
**EP 11195181 A 20070719**

Priority  
• EP 11195181 A 20070719  
• EP 07796943 A 20070719  
• US 2007016365 W 20070719

Abstract (en)  
The present invention relates to a self-raising window covering and a control mechanism for the window covering. In particular, the window covering (38) includes a drive unit (14), such as constant force spring, that is adapted to apply a substantially constant rotational force on the drive axle. A cord winding assembly (20,22) is coaxially mounted on the drive axle, and includes at least one winding drum (24,26) operatively connected to a second end of the raising cord and having a tapered portion, as well as a rotatable positioning member (32) for moving the cord winding assembly laterally along the drive axle upon rotation of the positioning member. The cord winding assembly is adapted to translate the rotational force on the drive axle to a raising force on the raising cord, wherein the raising force is greater than a downward force exerted by the shade element and bottom rail throughout the range of opening and closing. A clutch member or locking member is also operatively connected with the axle and adapted to releasably lock the drive axle in a desired position.

IPC 8 full level  
**E06B 9/322** (2006.01)

CPC (source: EP)  
**E06B 9/322** (2013.01); **E06B 9/60** (2013.01); **E06B 2009/3222** (2013.01); **E06B 2009/3225** (2013.01); **E06B 2009/3227** (2013.01)

Citation (applicant)  
• US 6666252 B2 20031223 - WELFONDER KONRAD [DE]  
• US 6056036 A 20000502 - TODD DAVID [US], et al

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**WO 2009011681 A1 20090122**; AT E550512 T1 20120415; AU 2007229388 A1 20090205; AU 2007229388 B2 20110203; BR PI0721879 A2 20140218; CA 2693056 A1 20090122; CA 2693056 C 20140218; DE 112007000007 T5 20100602; EP 2181233 A1 20100505; EP 2181233 A4 20100818; EP 2181233 B1 20120321; EP 2436869 A2 20120404; EP 2436869 A3 20120418; EP 2436869 B1 20170405; ES 2381378 T3 20120525; JP 2010533809 A 20101028; JP 5209052 B2 20130612; KR 101314077 B1 20131004; KR 20100052454 A 20100519; PL 2181233 T3 20120831; RU 2011131825 A 20130210; RU 2479704 C2 20130420

DOCDB simple family (application)  
**US 2007016365 W 20070719**; AT 07796943 T 20070719; AU 2007229388 A 20070719; BR PI0721879 A 20070719; CA 2693056 A 20070719; DE 112007000007 T 20070719; EP 07796943 A 20070719; EP 11195181 A 20070719; ES 07796943 T 20070719; JP 2010516958 A 20070719; KR 20107001069 A 20070719; PL 07796943 T 20070719; RU 2011131825 A 20110728