

Title (en)  
SLIM WINDOW ACTUATOR

Title (de)  
SCHMALES FENSTERSTELLGLIED

Title (fr)  
MANOEUVRE DE FENETRE A FAIBLE ENCOMBREMENT

Publication  
**EP 1673515 A1 20060628 (EN)**

Application  
**EP 04762901 A 20041008**

Priority  
• DK 2004000682 W 20041008  
• DK PA200301488 A 20031009

Abstract (en)  
[origin: WO2005033455A1] A slim window actuator (1) for being mounted in a channel in a window frame (3) to operate the sash (4) of a pivot hung window. Typically, the cross-section of this channel measures about 25 by 25 mm. The window actuator comprises an elongated housing (10), in which a drive spindle is received. The drive spindle (12) is suspended from a first bearing (20) and a second bearing (38) and has an intermediate section (15) situated between the two bearings. At least one of the bearings (20, 38) is configured to provide the drive spindle (12) with an axially positive support reaction directed away from the intermediate section (15). A link mechanism (6, 76, 80) having a first part being (75) arranged displaceable along the drive spindle (12) and driven by the intermediate section (15) and a second part (7) for operating said sash (4). The second part (7) is displaceable in a substantially traverse direction away from or towards the housing (10) by rotation of the drive spindle (12). A drive motor (31) is disposed inside said elongate housing (10) and operably connected to said drive spindle (12).

IPC 1-7  
**E05F 11/06**; **E05F 15/12**

IPC 8 full level  
**E05F 11/06** (2006.01); **E05F 15/12** (2006.01); **F16H 19/00** (2006.01)

CPC (source: EP)  
**E05F 11/06** (2013.01); **E05F 15/619** (2015.01); **E05Y 2201/11** (2013.01); **E05Y 2201/656** (2013.01); **E05Y 2201/724** (2013.01); **E05Y 2600/40** (2013.01); **E05Y 2600/41** (2013.01); **E05Y 2900/148** (2013.01); **F16H 19/0636** (2013.01)

Citation (search report)  
See references of WO 2005033455A1

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

DOCDB simple family (publication)  
**WO 2005033455 A1 20050414**; CN 1853027 A 20061025; CN 1853027 B 20100505; EP 1673515 A1 20060628

DOCDB simple family (application)  
**DK 2004000682 W 20041008**; CN 200480026701 A 20041008; EP 04762901 A 20041008