

Title (en)  
OPERATING DEVICE FOR THE TASSELS OF ROLLER SHUTTERS

Publication  
**EP 0127107 B1 19860924 (DE)**

Application  
**EP 84105807 A 19840522**

Priority  
DE 3319626 A 19830530

Abstract (en)  
[origin: EP0127107A2] 1. Belt winder drive unit for roller blinds, which can be raised and lowered by means of a flat belt (5), which is mounted in front of a wall in freely accessible, vertical and planeparallel manner on a tension section, is coupled by its upper end to a roller blind roller (3) and whose free lower end can be wound onto a belt reel (7), which is spring loaded in the winding-on direction ; with an electric drive motor (10) and with a drive roller unit (20), of whose rollers at least one is directly driveable by the drive motor and between whose rollers the belt is guided in meander-like manner with engaging frictional contact on the roller circumference and whereby one flat belt side (58) loops part of the circumference of a roller (52) and whose other flat belt side (57) loops part of the circumference of the next roller (55), characterized in that a drive roller unit (20) is provided with more than two rollers (52, 53, 55), that the rollers (52, 53) of uneven number, based on the belt passage, form a first roller group (59) and one flat belt side (58) engages on the circumference of the rollers of the first roller group (59), that the roller (55) or rollers of even count form a second roller group (60) and engages on the other flat belt side (57) on the circumference of the rollers of the second roller group, that a casing (12) comprising a base part (33) and a cover (15) is provided, whose base part is fitted on the wall with freely accessible cover, that the cover can be opened when the base part is fitted, that the rollers of one roller group are mounted in the base part and the rollers of the other roller group in the cover and that on both sides slots (42, 43) for the belt extend between base part (33) and cover (15).

IPC 1-7  
**E06B 9/204**; **E06B 9/206**

IPC 8 full level  
**E06B 9/70** (2006.01); **E06B 9/78** (2006.01)

CPC (source: EP)  
**E06B 9/70** (2013.01); **E06B 9/78** (2013.01)

Cited by  
EP0298217A1; FR2621951A1; DE10202055A1; US5179989A; US6869930B1; WO03060277A1; WO0157352A1; EP0397283B1

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