

Title (en)  
OPERATING DEVICE FOR ROLLER BLINDS

Publication  
**EP 0317461 B1 19910306 (FR)**

Application  
**EP 88440093 A 19881107**

Priority  
FR 8715969 A 19871116

Abstract (en)  
[origin: EP0317461A1] Operating device for roller blinds in which the shutter (2) moves at a slight angle, and comprising a shaft (5) for winding and/or unwinding the shutter (2) which is formed by slats (3,4) at each of whose lateral ends (9,10) are engaging means (13) interacting with cam wheels (12) with gaps between their teeth (16,17): these wheels are placed at each of the lateral ends (11) of a second operating shaft (6) arranged downstream with respect to the winding and/or unwinding shaft (5), these shafts (5,6) being supported by lateral end plates (7) of a box abutted by the guide rails (8) in which slide the lateral ends (9,10) of the slats (3,4) of the shutter (2), whose engaging means are holes (14), which are formed in the lateral end (9,10) of the thin slats (3) or of the single-walled slats (4) of which the shutter (2) is formed, and are provided with reinforcements (20,38) interacting with the cam wheels (12) of the second operating shaft (6). <IMAGE>

IPC 1-7  
**E06B 9/08**; **E06B 9/11**; **E06B 9/68**

IPC 8 full level  
**E06B 9/08** (2006.01); **E06B 9/11** (2006.01); **E06B 9/68** (2006.01); **E06B 9/70** (2006.01)

CPC (source: EP)  
**E04H 4/082** (2013.01); **E06B 9/08** (2013.01); **E06B 9/11** (2013.01); **E06B 9/70** (2013.01); **E06B 2009/1583** (2013.01); **E06B 2009/1588** (2013.01)

Cited by  
EP0967359A3; DE4438019C1; EP1128019A3; FR2657393A1; US5161593A; EP0645518A1; FR2710685A1; US5547009A; EP1280439A4; FR2847299A1; JP2006177152A

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