

Title (en)
Pull cord stopper device for use in a blind apparatus

Title (de)
Seilklemme für einen Store

Title (fr)
Dispositif de blocage de corde utilisé dans un store

Publication
EP 0716212 A1 19960612 (EN)

Application
EP 94309245 A 19941212

Priority
EP 94309245 A 19941212

Abstract (en)
A pull cord stopper device (20) for use in a blind apparatus operative in response to only the pulling of the cord control string of pull cords to control a screen. The pull cord stopper device (20) is disposed in a head box (10) and is adaptive to large-scale blind apparatus. The stopper case (28) of the pull cord stopper device (20) comprises a comb portion (40) for separating the pull cords (16), one from another, a knurled portion (42) for guiding a pinch roller (30), and a pin (54) received in a guide groove (52) formed in a switch member, for guiding the movement of the switch member (34). The slidable block (32) rotatably supports the pinch roller (30), and is operative to move within the stopper case (28) in the direction of movement of the pull cords (16) by means of rotation of the pinch roller (30). The slidable block (32) supports the switch member (52) which is integrally movable with the pull cords (16) in a direction of its travel, and, at the same time, supports the switch member (52) in a manner that it is relatively movable in a direction transverse to the travel of the pull cords (16). The resilient member (36) is operative to restrain the pull cords (16) by pinching them between the pressure member (38) and the pinch roller (30). The resilient member (36) constantly urges in a manner that the pull cords (16) is pinched between the pinch roller 30 and the pressure member (38). <IMAGE>

IPC 1-7
E06B 9/324; **E06B 9/323**

IPC 8 full level
E06B 9/323 (2006.01); **E06B 9/324** (2006.01)

CPC (source: EP)
E06B 9/323 (2013.01); **E06B 9/324** (2013.01)

Citation (search report)
• [A] JP H06200686 A 19940719 - NICHIBEI KK
• [A] JP H06117170 A 19940426 - NICHIBEI KK
• [A] JP H06200688 A 19940719 - NICHIBEI KK
• [X] US 4947921 A 19900814 - CHUN-CHENG HUANG [TW]
• [X] US 4180118 A 19791225 - VECCHIARELLI FRANCIS [US]
• [A] PATENT ABSTRACTS OF JAPAN vol. 018, no. 563 (M - 1693) 27 October 1994 (1994-10-27)

Cited by
JP2019190138A; EP1431509A1

Designated contracting state (EPC)
DE FR GB IT NL

DOCDB simple family (publication)
EP 0716212 A1 19960612; **EP 0716212 B1 19990811**; DE 69420041 D1 19990916; DE 69420041 T2 20000413

DOCDB simple family (application)
EP 94309245 A 19941212; DE 69420041 T 19941212