

Title (en)

SUPPORTING DEVICE FOR AN ACTUATING MECHANISM, SEALED AGAINST HIGH FREQUENCIES, FOR OPENING AND CLOSING AN ELECTROMAGNETICALLY SHIELDED COVER

Publication

EP 0303141 B1 19910911 (DE)

Application

EP 88112463 A 19880801

Priority

DE 3727205 A 19870814

Abstract (en)

[origin: EP0303141A1] For opening and closing an electromagnetically shielded cover (3), especially for the window and door apertures of a shielded room, considerable forces often have to be exerted because of the clamping effect of contact elements (6). An actuation assistance device for this purpose consists of a bearing bush (10) which is arranged in a receiving well (2) and in which is mounted rotatably a drive shaft (11) projecting at both ends beyond the receiving well and connecting the shielded inner room mechanically to the environment. Attached to one of the projecting ends is a cylindrical closing worm (13) with a closing thread (14) which serves for receiving and guiding a locking element preferably attached to the cover (3) and designed as a locking pin (7). For the electromagnetic sealing off of the device according to the invention, there is a sealing spring (15) which is arranged between the closing worm and the receiving well and which braces the bearing bush and closing worm relative to the drive shaft in a manner proof against high frequency. Advantageously, the sealing spring is mounted on one side in a cylindrical recess (24) located in the closing worm. <IMAGE>

IPC 1-7

E05B 17/00; H05K 9/00

IPC 8 full level

E05B 17/00 (2006.01); **H05K 9/00** (2006.01)

CPC (source: EP)

E05B 17/0025 (2013.01)

Designated contracting state (EPC)

AT BE CH DE ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)

EP 0303141 A1 19890215; EP 0303141 B1 19910911; AT E67269 T1 19910915; DE 3864774 D1 19911017

DOCDB simple family (application)

EP 88112463 A 19880801; AT 88112463 T 19880801; DE 3864774 T 19880801