

Title (en)  
CLOSING DEVICE FOR CLOSING FUNCTIONS IN VEHICLES IN PARTICULAR

Title (de)  
SCHLIESSVORRICHTUNG FÜR INSBESONDERE AN FAHRZEUGEN VOLLZIEHBARE SCHLIESSFUNKTIONEN

Title (fr)  
DISPOSITIF DE FERMETURE POUR FONCTIONS DE FERMETURE POUVANT ETRE EXECUTEES NOTAMMENT SUR DES VEHICULES

Publication  
**EP 1084322 B1 20020327 (DE)**

Application  
**EP 99925013 A 19990520**

Priority

- DE 19824398 A 19980530
- DE 19853543 A 19981120
- EP 9903447 W 19990520

Abstract (en)  
[origin: US6439016B1] A closing device with a closing cylinder for closing functions to be performed especially on vehicles has a radial recess for the locking and control member that is open toward the exterior of the housing and the locking and control member is exposed in the radially outward direction, but is covered by a leaf-shaped spring. A spring is arranged in the circumferential area of the housing and acts directly on the locking and control member. The control and locking member is arranged radially adjacent to the cylinder portion of the cylinder core being provided with followers. A slide is positioned in a portion of the closing cylinder axially stepped relative to the locking and control member, and an axial connection bridges the spacing between the locking and control member and the slide.

IPC 1-7  
**E05B 17/00**; **E05B 17/04**

IPC 8 full level  
**E05B 17/20** (2006.01); **E05B 17/00** (2006.01); **E05B 17/04** (2006.01); **E05B 77/00** (2014.01)

CPC (source: EP US)  
**E05B 17/0058** (2013.01 - EP US); **E05B 17/04** (2013.01 - EP US); **Y10T 70/7706** (2015.04 - EP US); **Y10T 70/7751** (2015.04 - EP US); **Y10T 70/7949** (2015.04 - EP US)

Cited by  
DE102010015684A1; DE102010015684B4

Designated contracting state (EPC)  
DE ES FR GB IT NL PT SE

DOCDB simple family (publication)  
**US 6439016 B1 20020827**; AU 4144899 A 19991220; AU 747009 B2 20020509; BR 9910839 A 20010306; CN 1211555 C 20050720; CN 1303458 A 20010711; CZ 20004423 A3 20010815; CZ 298358 B6 20070905; EP 1084322 A1 20010321; EP 1084322 B1 20020327; ES 2171329 T3 20020901; JP 2002517641 A 20020618; JP 4221691 B2 20090212; PT 1084322 E 20020830; SK 17072000 A3 20021008; SK 286193 B6 20080506; WO 9963187 A1 19991209

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**US 70140900 A 20001128**; AU 4144899 A 19990520; BR 9910839 A 19990520; CN 99806856 A 19990520; CZ 20004423 A 19990520; EP 9903447 W 19990520; EP 99925013 A 19990520; ES 99925013 T 19990520; JP 2000552369 A 19990520; PT 99925013 T 19990520; SK 17072000 A 19990520