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 DESTINE A DES FONCTIONS DE FERMETURE POUVANT ETRE EXECUTEES NOTAMMENT SUR DES VEHICULES

Abstract (en)
[origin: US6742368B1] A closing device includes a cylinder core with followers and a closing cylinder with a freewheel sleeve and a housing accommodating the sleeve. Normally, a coupling slider is coupled to the cylinder core by a restoring force, but is decoupled therefrom in the event of overcharge. An axial connection is provided between the coupling slider and a locking and controlling member. The slider and the locking and controlling member can be radially moved, however, can be rotated between various rotational positions of the closing cylinder when the cylinder core is actuated using a key. The closing cylinder has two key removal positions. The coupling slider is displaced in the angle thereof by turning the key between at least two rotational positions which correspond to the key removal positions. The coupling slider can be radially displaced in the direction of the rotational positions. At least one locking and controlling member is allocated to each of the rotational positions.

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

IPC 8 full level
E05B 15/00 (2006.01); **E05B 17/00** (2006.01); **E05B 17/04** (2006.01); **E05B 29/04** (2006.01)

CPC (source: EP KR US)
E05B 17/00 (2013.01 - KR); **E05B 17/0058** (2013.01 - EP US); **E05B 17/04** (2013.01 - EP US); Y10T 70/7706 (2015.04 - EP US); Y10T 70/7712 (2015.04 - EP US); Y10T 70/7751 (2015.04 - EP US); Y10T 70/7932 (2015.04 - EP US); Y10T 70/7949 (2015.04 - EP US)

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
US 6742368 B1 20040601; AT E298030 T1 20050715; AU 2355001 A 20010618; AU 771989 B2 20040408; BR 0016192 A 20020813; CN 1213212 C 20050803; CN 1409797 A 20030409; DE 19959833 C1 20010503; DE 50010579 D1 20050721; EP 1244861 A1 20021002; EP 1244861 B1 20050615; JP 2003516487 A 20030513; KR 100640353 B1 20061030; KR 20020058093 A 20020712; WO 0142596 A1 20010614

DOCDB simple family (application)
US 14925803 A 20030207; AT 00987223 T 20001109; AU 2355001 A 20001109; BR 0016192 A 20001109; CN 00816914 A 20001109; DE 19959833 A 19991210; DE 50010579 T 20001109; EP 0011063 W 20001109; EP 00987223 A 20001109; JP 2001544455 A 20001109; KR 20027007378 A 20020610