

Title (en)
Central locking device for car doors.

Title (de)
Zentralverriegelung für die Türen eines Autos.

Title (fr)
Dispositif de commande centralisée des ouvrants d'un véhicule automobile.

Publication
EP 0460986 A1 19911211 (FR)

Application
EP 91401288 A 19910517

Priority
FR 9006935 A 19900605

Abstract (en)
[origin: CA2043432A1] Device for the centralised control of the opening points of a motor vehicle The invention relates to a device for the centralised control of the opening points of a motor vehicle, in which the opening points have a triple-effect electrical actuator, including two locking states, and comprising at least one electric motor, and some opening points have a mechanically controled device with a lock key sending commands to a central control unit which also receives command coming particularly from the ignition key and/or from a remote-control set and from an antiattack button. The device according to the invention is characterised in that the central control unit is connected to each of the opening points by means of a single line (8) with three conductors (31, 32, 33) which will be used sometimes for power transfer and sometimes for information transfer, in that in each opening point the actuator is connected permanently between the three conductors of the said line (8), and in that the central control unit comprises means (20, 26) for selectively applying to each of the said conductors (31, 32, 33) the voltages necessary for the execution of a sequence.

[origin: CA2043432A1] Device for the centralised control of the opening points of a motor vehicle The invention relates to a device for the centralised control of the opening points of a motor vehicle, in which the opening points have a triple-effect electrical actuator, including two locking states, and comprising at least one electric motor, and some opening points have a mechanically controled device with a lock key sending commands to a central control unit which also receives command coming particularly from the ignition key and/or from a remote-control set and from an antiattack button. The device according to the invention is characterised in that the central control unit is connected to each of the opening points by means of a single line (8) with three conductors (31, 32, 33) which will be used sometimes for power transfer and sometimes for information transfer, in that in each opening point the actuator is connected permanently between the three conductors of the said line (8), and in that the central control unit comprises means (20, 26) for selectively applying to each of the said conductors (31, 32, 33) the voltages necessary for the execution of a sequence.

Abstract (fr)
L'invention concerne un dispositif de commande centralisée des ouvrants d'un véhicule automobile, dans lequel les ouvrants comportent un actionneur électrique à triple effet, dont deux états de verrouillage, comportant au moins un moteur électrique, et certains ouvrants comportent un dispositif de commande mécanique à clé de serrure fournissant des ordres à une unité centrale de commande recevant par ailleurs des ordres provenant en particulier de la clé de contact et/ou d'un appareil de commande à distance, ainsi que d'un bouton anti-agression. Le dispositif selon l'invention est caractérisé en ce que l'unité centrale de commande est reliée à chacun des ouvrants par une ligne unique (8) à trois conducteurs (31, 32, 33) qui seront utilisés tantôt en transfert de puissance, tantôt en transfert d'informations, en ce que dans chaque ouvrant, l'actionneur est branché en permanence entre les trois conducteurs de ladite ligne (8) et en ce que l'unité centrale de commande comporte des moyens (20, 26) pour appliquer sélectivement sur chacun desdits conducteurs (31, 32, 33) les tensions nécessaires à l'exécution d'une séquence.

IPC 1-7
E05B 47/00; E05B 65/36

IPC 8 full level
B60R 25/00 (2006.01); **B60R 25/01** (2013.01); **B60R 25/10** (2013.01); **B60R 25/24** (2013.01); **E05B 47/00** (2006.01); **E05B 49/00** (2006.01); **E05B 65/20** (2006.01); **E05B 65/36** (2006.01)

CPC (source: EP US)
E05B 77/28 (2013.01 - EP US); **E05B 81/54** (2013.01 - EP US); **E05B 81/06** (2013.01 - EP US); **Y10T 70/5978** (2015.04 - EP US); **Y10T 70/65** (2015.04 - EP US)

Citation (search report)
[A] DE 3541995 A1 19870604 - SWF AUTO ELECTRIC GMBH [DE]

Cited by
FR2715184A1; FR2723129A1; FR2718182A1; DE4205271C1; EP2570573A3; WO9728338A1; WO9419218A1; EP2570573B1

Designated contracting state (EPC)
DE ES GB IT SE

DOCDB simple family (publication)
EP 0460986 A1 19911211; EP 0460986 B1 19940824; BR 9102242 A 19920107; CA 2043432 A1 19911206; DE 69103580 D1 19940929; DE 69103580 T2 19941222; ES 2063459 T3 19950101; FR 2662736 A1 19911206; FR 2662736 B1 19921030; JP H04231574 A 19920820; US 5248898 A 19930928

DOCDB simple family (application)
EP 91401288 A 19910517; BR 9102242 A 19910531; CA 2043432 A 19910529; DE 69103580 T 19910517; ES 91401288 T 19910517; FR 9006935 A 19900605; JP 13288791 A 19910604; US 70993591 A 19910604