

Title (en)

Switch, especially electrical switch for power operated window or sliding roof for vehicles, switching device and method

Title (de)

Schalter, insbesondere elektrischer Fensterhebe- oder Schiebedachschalter für Fahrzeuge, Schaltsystem und Verfahren hierzu

Title (fr)

Commutateur, notamment commutateur électrique de lève-vitre ou de toit coulissant pour véhicules, dispositif de commutation et procédé

Publication

EP 1239502 A3 20040414 (DE)

Application

EP 01129286 A 20011213

Priority

DE 10110648 A 20010306

Abstract (en)

[origin: EP1239502A2] The device has at least one actuating element with at least two actuating positions, a switching mechanism, contact points closable by the switching mechanism and electronics detecting the closure or the state of the contact points. The switch mechanism closes the switch contacts in a defined sequence depending on the actuation position of the actuating element and the electronics detects the sequence. Independent claims are also included for the following: a switch system and a method of operating a switch.

IPC 1-7

H01H 23/00; **H01H 21/24**

IPC 8 full level

H01H 21/24 (2006.01); **H01H 23/00** (2006.01)

CPC (source: EP)

H01H 21/24 (2013.01); **H01H 23/003** (2013.01); **H01H 2021/225** (2013.01); **H01H 2300/006** (2013.01); **H01H 2300/01** (2013.01); **H01H 2300/054** (2013.01)

Citation (search report)

- [Y] DE 3818810 A1 19891214 - ASEA BROWN BOVERI [DE]
- [Y] WO 0051838 A1 20000908 - METHODE ELECTRONICS INC [US]
- [A] US 5138182 A 19920811 - KOKUBU SADA O [JP]

Cited by

FR2893757A1; WO2007060330A1; US10559440B2

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)

EP 1239502 A2 20020911; **EP 1239502 A3 20040414**; **EP 1239502 B1 20110921**; DE 10110648 A1 20020919

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