

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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**EP 01129286 A 20011213**; DE 10110648 A 20010306