Title (en)

Double release plate electrical switch

Title (de)

Elektrischer Schalter und Kontakte mit aufeinanderfolgender Betätigung

Title (fr)

Interrupteur électrique et contacts actionnés successivement

Publication

EP 1009001 A3 20010711 (EN)

Application

EP 99124393 A 19991207

Priority

IT TO981025 A 19981209

Abstract (en)

[origin: EP1009001A2] Double-release switch to control the electrical motors for the power windows of a motor vehicle, where a minimum of two mobile contacts act (24, 25, 24a, 25a), said mobile contacts being adapted to move so that they can reach two positions with the closing of fixed contacts on a printed circuit; the mobile contacts are integral part of a metal spring plate (21, 22) provided with a pair of facing bow arms (29, 30) the ends of which are pivoted on a support (27) which is rigidly connected to said printed circuit (7). <IMAGE>

IPC 1-7

H01H 23/00; H01H 5/26

IPC 8 full level

H01H 23/00 (2006.01); H01H 5/26 (2006.01); H01H 23/20 (2006.01)

CPC (source: EP)

H01H 23/003 (2013.01); H01H 5/26 (2013.01); H01H 23/20 (2013.01); H01H 2021/225 (2013.01); H01H 2300/01 (2013.01)

Citation (search report)

- [XY] DE 1186128 B 19650128 - BUSCH JAEGER DUERENER METALL
- [A] DE 9201542 U1 19920326
- [Y] US 5833048 A 19981110 - DILLY GUENTER [DE]
- [A] DE 19722674 A1 19981203 - ABB PATENT GMBH [DE]

Cited by

EP1835519A3

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 1009001 A2 20000614; **EP 1009001 A3 20010711**; **EP 1009001 B1 20080123**; DE 69938031 D1 20080313; DE 69938031 T2 20090115; ES 2303367 T3 20080801; IT 1303200 B1 20001030; IT TO981025 A1 20000609; IT TO981025 D0 19981209

DOCDB simple family (application)

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