

Title (en)

Automotive switching device, particularly for controlling stop lights

Title (de)

Schaltvorrichtung für Kraftfahrzeuge, insbesondere für die Warnleuchten

Title (fr)

Dispositif interrupteur pour véhicule automobile, en particulier pour les feux avertisseurs

Publication

EP 0753870 A1 19970115 (EN)

Application

EP 96109891 A 19960619

Priority

IT TO950553 A 19950630

Abstract (en)

A switching device (1) presenting a movable contact (22) cooperating with two fixed contacts (15a, 15b) to close an electric circuit (44) of the device. The movable contact (22) is subjected on one side to the action of a spring (25) for maintaining the movable contact (22) against the fixed contacts, and on the other side to the action of a push-rod (4) moved by an external control element and which, in the withdrawn position, keeps the movable contact detached from the fixed contacts (15a, 15b). The movable contact (22) is in the form of a blade (22), the face of which facing the push-rod (4) presents a projection (30), which is engaged by the push-rod at the start of the opening stroke of the movable contact (22) to generate on the movable contact a force (B) eccentric in relation to the force (C) generated by the spring (25) and so rotate and slide the movable contact (22) in relation to the fixed contacts (15a, 15b) to automatically clean the contacts. <IMAGE> <IMAGE>

IPC 1-7

H01H 1/18

IPC 8 full level

H01H 1/18 (2006.01); **H01H 13/18** (2006.01)

CPC (source: EP)

H01H 1/18 (2013.01)

Citation (search report)

- [X] US 4501940 A 19850226 - SUZUKI MASARU [JP]
- [X] FR 2520926 A3 19830805 - TURATTI MARIO [IT]
- [A] FR 2332606 A1 19770617 - PREH ELEKTRO FEINMECHANIK [DE]
- [A] GB 2169143 A 19860702 - MITSUBISHI ELECTRIC CORP
- [A] BE 565734 A

Designated contracting state (EPC)

DE ES FR GB NL PT SE

DOCDB simple family (publication)

EP 0753870 A1 19970115; EP 0753870 B1 20020605; CZ 192496 A3 19980916; CZ 290842 B6 20021016; DE 69621527 D1 20020711; DE 69621527 T2 20030109; IT 1276461 B1 19971031; IT 235892 Y1 20000718; IT TO950153 U1 19961230; IT TO950153 V0 19950630; IT TO950553 A0 19950630; IT TO950553 A1 19961230; PL 179998 B1 20001130; PL 315021 A1 19970106

DOCDB simple family (application)

EP 96109891 A 19960619; CZ 192496 A 19960628; DE 69621527 T 19960619; IT TO950153 U 19950630; IT TO950553 A 19950630; PL 31502196 A 19960628