

Title (en)

Switch with switching element monitoring

Title (de)

Befehlsgerät mit Schaltelementüberwachung

Title (fr)

Interrupteur avec surveillance d'un élément de commutation

Publication

EP 1801830 A1 20070627 (DE)

Application

EP 05027927 A 20051220

Priority

EP 05027927 A 20051220

Abstract (en)

The unit has a contact device (10) that is provided for interrupting a conductive connection guided to connectors (14, 15) independent of the spring force during disassembly of the installation unit. The contact device has a tightened position and a released position under the effect of a spring mechanism. A rear compression spring (19) is provided as the spring mechanism for clamping the contact device, where a tappet is provided for influencing on the contact device.

IPC 8 full level

H01H 9/22 (2006.01); **H01H 3/02** (2006.01)

CPC (source: EP US)

H01H 3/022 (2013.01 - EP US); **H01H 9/22** (2013.01 - EP US)

Citation (applicant)

- DE 4101493 A1 19920723 - SCHLEGEL GEORG GMBH & CO [DE]
- US 6198058 B1 20010306 - GRANINGER FRANK J [US], et al
- JP 2003272468 A 20030926 - IDEC IZUMI CORP
- JP 2003303527 A 20031024 - IDEC IZUMI CORP
- WO 2004023501 A1 20040318 - IDEC IZUMI CORP [JP], et al

Citation (search report)

- [XA] EP 1553609 A1 20050713 - IDEC IZUMI CORP [JP]
- [XA] US 6198058 B1 20010306 - GRANINGER FRANK J [US], et al
- [XA] DE 4111150 A1 19921008 - KRONENBERG GMBH H & J [DE]
- [XY] EP 0660450 A2 19950628 - GEN MOTORS CORP [US]
- [Y] EP 0382345 A2 19900816 - MOLEX INC [US]

Cited by

FR2950472A1; FR2936902A1; CN102165546A; AU2009301229B2; US8497438B2; WO2011032817A1; WO2011163081A1; WO2010040678A1; EP2141715A1

Designated contracting state (EPC)

DE FR IT

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

EP 1801830 A1 20070627; AT E432528 T1 20090615; CN 101346790 A 20090114; CN 101346790 B 20111005; DE 502006003849 D1 20090709; EP 1964139 A1 20080903; EP 1964139 B1 20090527; US 2009084663 A1 20090402; US 7943872 B2 20110517; WO 2007071495 A1 20070628

DOCDB simple family (application)

EP 05027927 A 20051220; AT 06807771 T 20061108; CN 200680048515 A 20061108; DE 502006003849 T 20061108; EP 06807771 A 20061108; EP 2006068209 W 20061108; US 8658806 A 20061108