

Title (en)

Control device comprising a mechanism of friction point and actuating electrical contacts

Title (de)

Steuerungsvorrichtung, die einen Mechanismus schwergängiger Stelle umfaßt und elektrische Kontakte betätigt

Title (fr)

Dispositif de commande comportant un mécanisme de point dur et actionnant des contacts électriques

Publication

EP 1768145 A1 20070328 (FR)

Application

EP 06121106 A 20060922

Priority

FR 0509772 A 20050923

Abstract (en)

Device has an operation control unit (12) mounted movably on a fixed support (14) among a rest position, an indexed active position and a temporary over-travel position. A hard point forming unit (23) is activated during the displacement of the control unit by cooperating a cam profile (24) and a complementary elastic cam (26). The control unit cooperates with an electrical contact control unit (18) via an elastic bracing unit (16A) when the unit (12) is between the active and over-travel positions. An elastic unit simultaneously forms the bracing unit and the elastic cam.

IPC 8 full level

H01H 13/56 (2006.01)

CPC (source: EP)

H01H 13/56 (2013.01); **H01H 5/22** (2013.01)

Citation (search report)

- [A] DE 9416060 U1 19941124 - CHIANG LI CHING [TW]
- [A] US 4954675 A 19900904 - IWATA MASAYOSI [JP], et al
- [A] DE 3709305 A1 19880929 - MUELLER ROLF K DR [DE]
- [A] EP 0345459 A2 19891213 - HELLA KG HUECK & CO [DE]

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

EP 1768145 A1 20070328; EP 1768145 B1 20080430; AT E393958 T1 20080515; DE 602006001042 D1 20080612; DE 602006001042 T2 20090102; FR 2891393 A1 20070330; FR 2891393 B1 20071221; PL 1768145 T3 20090331

DOCDB simple family (application)

EP 06121106 A 20060922; AT 06121106 T 20060922; DE 602006001042 T 20060922; FR 0509772 A 20050923; PL 06121106 T 20060922