

Title (en)
Contact system for a low voltage switch

Title (de)
Kontaktsystem für einen Niederspannungsschalter

Title (fr)
Système de contact pour disjoncteur à basse tension

Publication
EP 1772885 A1 20070411 (DE)

Application
EP 06121725 A 20061004

Priority
• DE 102005047576 A 20051005
• DE 102005050705 A 20051022

Abstract (en)
The system has a contact arm (10) supported in a switching shaft (2) and for each pole in a switch housing around a pivotal point (12). A contact force spring (20) acts on an axle of a spring catch (30) at the arm by the catch that is supported in a support (24). The area is shifted during opening movement, so that a force vector is deviated by the pivotal point of the arm. The spring lies between a spring pivot (22) in the shaft and the support, where the support is guided on a circular arc in a longitudinal-relocating manner.

IPC 8 full level
H01H 77/10 (2006.01)

CPC (source: EP)
H01H 77/104 (2013.01); **H01H 1/225** (2013.01)

Citation (search report)
• [A] US 6366438 B1 20020402 - BAUER ROLF-DIETER [DE]
• [A] EP 1137038 A2 20010926 - AEG NIEDERSPANNUNGSTECH GMBH [DE]
• [A] DE 19933919 A1 20010125 - AEG NIEDERSPANNUNGSTECH GMBH [DE]

Cited by
CN113539713A; EP2346062A3

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 1772885 A1 20070411; EP 1772885 B1 20080102; AT E382948 T1 20080115; DE 102005050705 A1 20070419;
DE 102005050705 B4 20080731; DE 502006000262 D1 20080214

DOCDB simple family (application)
EP 06121725 A 20061004; AT 06121725 T 20061004; DE 102005050705 A 20051022; DE 502006000262 T 20061004