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# INTERNATIONAL PATENT RESEARCH OFFICE B.V.

LIST. 0329 21 WEEK 42/2002 KONTAKTE.

## DE A1 Germany, Document laid open (first publ.)

**10106119** SCHUNK METALL UND KUNSTSTOFF GMBH 2002/09/19 DE A1  
 Appl.Nmbr: 2001 10106119 Appl.Date: 20010208 Language:  
 Title: STROMUEBERTRAGUNGSANORDNUNG  
 IPC: H 01R 39/20  
 Inv: ZILCH, PETER  
 Pri: DE200102082001 10106119A  
 Eqv: AE 20020815 W2 2002063727 AG 20020815 W2 2002063727 AL 20020815 W2 2002063727  
 AM 20020815 W2 2002063727 AP 20020815 W2 2002063727 AT 20020815 W2 2002063727  
 AU 20020815 W2 2002063727 AZ 20020815 W2 2002063727 BA 20020815 W2 2002063727  
 BB 20020815 W2 2002063727 BG 20020815 W2 2002063727 BR 20020815 W2 2002063727  
 BY 20020815 W2 2002063727 BZ 20020815 W2 2002063727 CA 20020815 W2 2002063727  
 CH 20020815 W2 2002063727 CN 20020815 W2 2002063727 CO 20020815 W2 2002063727  
 CR 20020815 W2 2002063727 CU 20020815 W2 2002063727 CZ 20020815 W2 2002063727  
 DE 20020815 W2 2002063727 DK 20020815 W2 2002063727 DM 20020815 W2 2002063727  
 DZ 20020815 W2 2002063727 EA 20020815 W2 2002063727 EC 20020815 W2 2002063727  
 EE 20020815 W2 2002063727 EP 20020815 W2 2002063727 ES 20020815 W2 2002063727  
 FI 20020815 W2 2002063727 GB 20020815 W2 2002063727 GD 20020815 W2 2002063727  
 GE 20020815 W2 2002063727 GH 20020815 W2 2002063727 GM 20020815 W2 2002063727  
 HR 20020815 W2 2002063727 HU 20020815 W2 2002063727 ID 20020815 W2 2002063727  
 IL 20020815 W2 2002063727

**10111400** HELLA KG HUECK & CO. 2002/09/26 DE A1  
 Appl.Nmbr: 2001 10111400 Appl.Date: 20010309 Language:  
 Title: STELLANTRIEB FUER HEIZUNGS-, LUEFTUNGS- ODER KLIMAKLAPPEN IN  
 EINEM KRAFTFAHRZEUG  
 IPC: H 01R 41/00 B 60H 1/00  
 Inv: STEBNER, VOLKMAR SCHILLER, JAN BUECKER, BODO  
 Pri: DE200103092001 10111400A  
 Eqv: FR 20020913 A3 2821796

**10112895** LTN SERVOTECHNIK GMBH 2002/09/19 DE A1  
 Appl.Nmbr: 2001 10112895 Appl.Date: 20010315 Language:  
 Title: SCHLEIFRINGEINHEIT MIT EINER LEITERPLATTE  
 IPC: H 01R 39/18 G 03B 17/56 H 04N 5/225  
 Inv: ANGERPOINTNER, LUDWIG  
 Pri: DE200103152001 10112895A

## DE T2 Translation of the EP patent specification

**69711745** NILES PARTS CO., LTD. 2002/09/26 DE T2  
 Appl.Nmbr: 1997 69711745 Appl.Date: 19970128 Language:  
 Title: TUERKONTAKTSCHALTER FUER FAHRZEUGE  
 IPC: H 01H 13/18 H 01H 1/58  
 Inv: HIRANO, MINEO  
 Pri: JP199602161996 54098A  
 Eqv: DE 19970820 R2 790628 DE 20020410 R4 790628 DE 20020516 C0 69711745  
 EP 19970820 A2 790628 EP 19980326 TD 790628 EP 19980805 A3 790628  
 EP 20020410 B1 790628 GB 19970820 R2 790628 GB 20020410 R4 790628  
 JP 19970826 A2 9223431 US 19981117 A 5836442

## EP A1 Europe, application with search report.

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**1240654** ROBERT BOSCH GMBH 2002/09/18 EP A1  
 Appl.Nmbr: 2000 00993348 Appl.Date: 20001128 Language: GER  
 Title: SWITCH INPUT CURRENT CIRCUIT  
 IPC: H 01H 1/60  
 Inv: TURNER, SCOTT, HAYDON FENWICK, MATTHEW, DAVID  
 Pri: AU199912101999 64452A WO200011282000DE 200004230W  
 Eqv: AU 20010329 B1 731189 EP 20010614 W1 200143151 IN 20010614 W1 200143151  
 KR 20010614 W1 200143151 US 20010614 W1 200143151 WO 20010614 A1 200143151

**1240656** AGILENT TECHNOLOGIES, INC. (A DELAWARE 2002/09/18 EP A1  
 Appl.Nmbr: 2000 00986710 Appl.Date: 20001222 Language: ENG  
 Title: LIQUID CONDUCTOR SWITCH DEVICE  
 IPC: H 01H 29/28 H 01H 1/00  
 Inv: KONDOH, YOU SAITO, MITSUCHIKA ICHIMURA, YOSHIKATSU  
 Pri: JP199912221999 364605A WO200012222000US 200035097W  
 Eqv: EP 20010628 W1 200146974 JP 20010706 A2 2001185017 US 20010628 W1 200146974  
 WO 20010628 A1 200146974

**1240657** AGILENT TECHNOLOGIES, INC. (A DELAWARE 2002/09/18 EP A1  
 Appl.Nmbr: 2000 00988375 Appl.Date: 20001221 Language: ENG  
 Title: SWITCH DEVICE AND METHOD FOR MANUFACTURING THE SAME  
 IPC: H 01H 29/28 H 01H 1/00  
 Inv: KONDOH, YOU SAITO, MITSUCHIKA  
 Pri: JP199912221999 364604A WO200012222000US 200035333W  
 Eqv: EP 20010628 W1 200146975 JP 20010706 A2 2001185014 US 20010628 W1 200146975  
 WO 20010628 A1 200146975

**1241688** TECHNOELECTRIC S.R.L. 2002/09/18 EP A1  
 Appl.Nmbr: 2001 01830180 Appl.Date: 20010315 Language: ENG  
 Title: A CONTACT DEVICE FOR MEDIUM AND HIGH VOLTAGE CIRCUIT BREAKER  
 S AND SWITCHES.  
 IPC: H 01H 1/38  
 Inv: ANELLI, MATTEO LORENZONI, ORIS ZILIANI, GIUSEPPE  
 Pri: EP200103152001 01830180A

**1244122** SIEMENS AKTIENGESELLSCHAFT 2002/09/25 EP A1  
 Appl.Nmbr: 2002 02090066 Appl.Date: 20020220 Language: GER  
 Title: CONTACT CARRIER FOR A LOW VOLTAGE CIRCUIT BREAKER  
 IPC: H 01H 1/22  
 Inv: BACH, MICHAEL SCHMIDT, DETLEV SEBEKOW, MICHAEL  
 SEIDLER-STAHLE, GUENTER THIEDE, INGO TUERKMEN, SEZAI  
 Pri: DE200103202001 10114745A

**1244123** SCHNEIDER ELECTRIC INDUSTRIES SAS 2002/09/25 EP A1  
 Appl.Nmbr: 2002 02076341 Appl.Date: 20020312 Language: FRE  
 Title: DEVICE FOR ASSURING THE PASSAGE OF AN ELECTRIC CURRENT BETWE  
 EN ARTICULATED CONDUCTIVE ARMS  
 IPC: H 01H 1/58  
 Inv: LAURAIRE, MICHEL VIGOUROUX, DIDIER POULAIN, CHRISTOPHE  
 Pri: FR200103232001 200104307A

**EP A2 Europe, application without search report**

**1241693** NILES PARTS CO., LTD. 2002/09/18 EP A2  
 Appl.Nmbr: 2002 02005172 Appl.Date: 20020308 Language: ENG  
 Title: SWITCH  
 IPC: H 01H 15/04 H 01H 1/40  
 Inv: WATADA, TSUTOMU  
 Pri: JP200103122001 2001069481A



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**1244127** TYCO ELECTRONICS AUSTRIA GMBH 2002/09/25 EP A2  
 Appl.Nmbr: 2002 02005989 Appl.Date: 20020315 Language: ENG  
 Title: ELECTRICAL SWITCHING ELEMENT  
 IPC: H 01H 50/64 H 01H 1/58 H 01H 50/14 H 01H 11/00  
 Inv: MIKL, RUDOLF MADER, LEOPOLD  
 Pri: DE200103222001 10114158A

**1244186** JOHNSON ELECTRIC S.A. 2002/09/25 EP A2  
 Appl.Nmbr: 2002 02251956 Appl.Date: 20020319 Language: ENG  
 Title: BRUSH ASSEMBLY  
 IPC: H 01R 39/26  
 Inv: STROBL, GEORG  
 Pri: GB200103222001 200107152A  
 Eqv: GB 20010509 A0 200107152

### EP A3 Europe, publication of the search report

**1001440** GENERAL ELECTRIC COMPANY 2002/09/18 EP A3  
 Appl.Nmbr: 1999 99309020 Appl.Date: 19991112 Language: ENG  
 Title: SWITCHING STRUCTURE AND METHOD OF FABRICATION  
 IPC: H 01H 1/00 H 01H 59/00  
 Inv: KORNRUMPF, WILLIAM PAUL WOJNAROWSKI, ROBERT JOHN  
 Pri: US199811131998 192103A  
 Eqv: AT 20000517 R2 1001440 BE 20000517 R2 1001440 CH 20000517 R2 1001440  
 CY 20000517 R2 1001440 DE 20000517 R2 1001440 DK 20000517 R2 1001440  
 EP 20000517 A2 1001440 ES 20000517 R2 1001440 FI 20000517 R2 1001440  
 FR 20000517 R2 1001440 GB 20000517 R2 1001440 GR 20000517 R2 1001440  
 IE 20000517 R2 1001440 IT 20000517 R2 1001440 JP 20000711 A2 2000190298  
 LI 20000517 R2 1001440 LU 20000517 R2 1001440 MC 20000517 R2 1001440  
 NL 20000517 R2 1001440 PT 20000517 R2 1001440 SE 20000517 R2 1001440  
 US 20010213 BA 6188301

**1202303** SIEMENS AKTIENGESELLSCHAFT 2002/09/25 EP A3  
 Appl.Nmbr: 2001 01250326 Appl.Date: 20010917 Language: GER  
 Title: ARRANGEMENT OF SWITCH CONTACTS FOR A LOW VOLTAGE CIRCUIT BRE  
 AKER  
 IPC: H 01H 1/50 H 01H 1/22  
 Inv: HAHN, MICHAEL  
 Pri: DE200010312000 10054497A  
 Eqv: AT 20020502 R2 1202303 BE 20020502 R2 1202303 CH 20020502 R2 1202303  
 CY 20020502 R2 1202303 DE 20020502 A1 10054497 DE 20020502 R2 1202303  
 DK 20020502 R2 1202303 EP 20020502 A2 1202303 ES 20020502 R2 1202303  
 FI 20020502 R2 1202303 FR 20020502 R2 1202303 GB 20020502 R2 1202303  
 GR 20020502 R2 1202303 IE 20020502 R2 1202303 IT 20020502 R2 1202303  
 LI 20020502 R2 1202303 LU 20020502 R2 1202303 MC 20020502 R2 1202303  
 NL 20020502 R2 1202303 PT 20020502 R2 1202303 SE 20020502 R2 1202303  
 TR 20020502 R2 1202303

**1215695** SIEMENS AKTIENGESELLSCHAFT 2002/09/25 EP A3  
 Appl.Nmbr: 2001 01250383 Appl.Date: 20011101 Language: GER  
 Title: MOVABLE CONTACT SUPPORT FOR MOUNTING CONTACTLEVERS FOR LOW V  
 OLTAGE CIRCUIT BREAKERS  
 IPC: H 01H 11/00 H 01H 1/22  
 Inv: BACH, MICHAEL SCHMIDT, DETLEV SEBEKOW, MICHAEL  
 SEIDLER-STAH, GUENTER

LIST. 0329 21 WEEK 42/2002 KONTAKTE.

Pri: DE200012132000 10062761A  
 Eqv: AT 20020619 R2 1215695 BE 20020619 R2 1215695 CH 20020619 R2 1215695  
 CY 20020619 R2 1215695 DE 20020619 R2 1215695 DE 20020620 A1 10062761  
 DK 20020619 R2 1215695 EP 20020619 A2 1215695 ES 20020619 R2 1215695  
 FI 20020619 R2 1215695 FR 20020619 R2 1215695 GB 20020619 R2 1215695  
 GR 20020619 R2 1215695 IE 20020619 R2 1215695 IT 20020619 R2 1215695  
 LI 20020619 R2 1215695 LU 20020619 R2 1215695 MC 20020619 R2 1215695  
 NL 20020619 R2 1215695 PT 20020619 R2 1215695 SE 20020619 R2 1215695  
 TR 20020619 R2 1215695

**EP B1 Europe, Patent**

**892471** SKF INDUSTRIE S.P.A. 2002/09/25 EP B1

Appl.Nmbr: 1998 98113122 Appl.Date: 19980715 Language: ENG

Title: A ROLLING CONTACT BEARING PROVIDED WITH A SEAL AND AN ELECTROSTATIC CURRENT DISCHARGE DEVICE

IPC: H 01R 39/64

Inv: BERTETTI, PAOLO VIGNOTTO, ANGELO

Pri: IT199707171997TO 648A

Eqv: DE 19990120 R2 892471 EP 19990120 A2 892471 EP 20000628 A3 892471  
 FR 19990120 R2 892471 IT 19990118 A1 TO 970648 IT 19990301 B1 1293461  
 US 20000829 A 6109794

**FR A1 France, Application first publication**

**2821980** SCHNEIDER ELECTRIC INDUSTRIES SA 2002/09/13 FR A1

Appl.Nmbr: 2001 200103278 Appl.Date: 20010309 Language:

Title: BLOC DE CONTACTS MULTIPOLAIRE

IPC: H 01H 1/12 H 01H 13/28

Inv: THIZON PATRICE

Pri: FR200103092001 200103278A

Eqv: AT 20020911 R1 1239498 BE 20020911 R1 1239498 CH 20020911 R1 1239498  
 CY 20020911 R1 1239498 DE 20020911 R1 1239498 DK 20020911 R1 1239498  
 EP 20020911 A1 1239498 ES 20020911 R1 1239498 FI 20020911 R1 1239498  
 FR 20020911 R1 1239498 GB 20020911 R1 1239498 GR 20020911 R1 1239498  
 IE 20020911 R1 1239498 IT 20020911 R1 1239498 LI 20020911 R1 1239498  
 LU 20020911 R1 1239498 MC 20020911 R1 1239498 NL 20020911 R1 1239498  
 PT 20020911 R1 1239498 SE 20020911 R1 1239498 TR 20020911 R1 1239498

**2821981** NEYR PLASTIQUES HOLDING 2002/09/13 FR A1

Appl.Nmbr: 2001 200103344 Appl.Date: 20010312 Language:

Title: ELEMENT DE DECORATION A CONTACT TACTILE

IPC: H 01H 1/58 B 60R 13/00

Inv: SALAMONE BRUNO PRYEN BENOIT

Pri: FR200103122001 200103344A

**US AA United States, Pre-grant publication**

**2002121949** KONDOH YOU TAKANAKA TSUTOMU 2002/09/05 US AA

Appl.Nmbr: 2002 80643 Appl.Date: 20020221 Language:

Title: CONDUCTIVE LIQUID-BASED LATCHING SWITCH DEVICE

IPC: H 01H 1/08

Nat.Cl: 335 58

Inv: KONDOH YOU TAKANAKA TSUTOMU

Pri: JP200102232001 2001049481A

Eqv: AT 20020828 R2 1235242 BE 20020828 R2 1235242 CH 20020828 R2 1235242  
 CY 20020828 R2 1235242 DE 20020828 R2 1235242 DK 20020828 R2 1235242  
 EP 20020828 A2 1235238 EP 20020828 A2 1235242 ES 20020828 R2 1235242



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FI 20020828 R2	1235242	FR 20020828 R2	1235242	GB 20020828 R2	1235242
GR 20020828 R2	1235242	IE 20020828 R2	1235242	IT 20020828 R2	1235242
LI 20020828 R2	1235242	LU 20020828 R2	1235242	MC 20020828 R2	1235242
NL 20020828 R2	1235242	PT 20020828 R2	1235242	SE 20020828 R2	1235242
TR 20020828 R2	1235242	US 20020905 AA	2002121432		

**Abstract:** The latching switch device includes a passage, a first cavity, a second cavity, a channel extending from each cavity to the passage, non-conductive fluid located the cavities, conductive liquid located in the passage, a first electrode, a second electrode and a latching structure associated with each channel. The passage is elongate. The channels are spatially separated from one another along the length of the passage. The electrodes are in electrical contact with the conductive liquid and are located on opposite sides of one of the channels. The conductive liquid includes free surfaces. Each latching structure includes energy barriers located in the passage on opposite sides of the channel. The energy barriers interact with the free surfaces of the conductive liquid to hold the free surfaces apart from one another.

## WO A1 Publication of the int.appl. with int.search rep.

**2002065494** SIEMENS AKTIENGESELLSCHAFT SEIDLER-STAH 2002/08/22 WO A1  
 Appl.Nmbr: 2002DE 200200485 Appl.Date: 20020207 Language: GER

Title: SWITCHING CONTACT ARRANGEMENT

IPC: H 01H 1/22 H 01H 73/04

Inv: SEIDLER-STAH, GUENTER SCHMIDT, DETLEV TUERKMEN, SEZAI  
 SEBEKOW, MICHAEL BACH, MICHAEL THIEDE, INGO

Pri: DE200102142001 10108858A

Eqv: DE 20020905 A1 10108858

**Abstract:** The invention relates to a switching contact, wherein a rocker-type leaf spring is used as a contact force spring (8) in order to produce the contact force required for a contact lever (2), the drag bearing (10) thereof being disposed between the point of rotation (11) of the contact lever (2) on a contact carrier (1) and a contact-making end piece (18) of the contact lever (2). Preferably, the drag bearing (10) is formed by a bend of the contact force spring (8) and a sliding surface (19) disposed on the contact carrier (1). The drag bearing (10) of the contact force spring (8) can be displaced without a fixed link along the sliding surface (19) according to the tension of the contact force spring (8). If the switching contact arrangement has several contact levers (multiple contact arrangement) all of the associated contact force springs can be combined to form a one-piece leaf spring (23).

**2002071427** BOE TECHNOLOGY GROUP CO., LTD. REN, JIA 2002/09/12 WO A1  
 Appl.Nmbr: 2001CN 200101512 Appl.Date: 20011029 Language: ENG

Title: A MULTIPOLAR INTEGRATED CONTACT FOR POWER SWITCHGEAR

IPC: H 01H 1/66

Inv: REN, JIANCHANG

Pri: CN200102282001 2001109232A

**Abstract:** A multipolar integrated contact for power switchgear, its arc proof component, magnetic field generating component and conductive component are set in a container with top opened. Conductive component and magnetic field generating component are mutually combined and set at bottom of the container, arc proof component is set on top of the combination of conductive component and magnetic field generating component. Conductive component passes through center of the container, and from top to down, it equally divides the container; magnetic field generating component is isolated by conductive comp

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onent and set at other part of the container. Contact surface of the invention has multiple pole axial magnetic field, the contact is suitable used for integrated contact for interrupting high volume current in arc extinguished chamber of vacuum interrupter. The invention belongs to electrical equipment field.