

Title (en)
SWITCHING CONTACT ARRANGEMENT

Title (de)
SCHALTKONTAKTANORDNUNG

Title (fr)
DISPOSITIF A CONTACT DE COMMUTATION

Publication
EP 1360709 A1 20031112 (DE)

Application
EP 02708231 A 20020207

Priority
• DE 0200485 W 20020207
• DE 10108858 A 20010214

Abstract (en)
[origin: WO02065494A1] 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).

IPC 1-7
H01H 1/22; **H01H 73/04**

IPC 8 full level
H01H 31/02 (2006.01); **H01H 1/22** (2006.01); **H01H 1/50** (2006.01); **H01H 31/28** (2006.01); **H01H 73/04** (2006.01)

CPC (source: EP US)
H01H 1/225 (2013.01 - EP US); **H01H 1/226** (2013.01 - EP US); **H01H 73/04** (2013.01 - EP US)

Citation (search report)
See references of WO 02065494A1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
WO 02065494 A1 20020822; CN 1288683 C 20061206; CN 1484843 A 20040324; DE 10108858 A1 20020905; DE 10108858 B4 20091119; DE 50212223 D1 20080619; EP 1360709 A1 20031112; EP 1360709 B1 20080507; HK 1060209 A1 20040730; JP 2004522260 A 20040722; JP 4173006 B2 20081029; US 2004066257 A1 20040408; US 6879227 B2 20050412

DOCDB simple family (application)
DE 0200485 W 20020207; CN 02803410 A 20020207; DE 10108858 A 20010214; DE 50212223 T 20020207; EP 02708231 A 20020207; HK 04102906 A 20040426; JP 2002565328 A 20020207; US 46793503 A 20030814