

Title (en)

DEVICE FOR SUPPORTING THE DISPLACEMENT AND ELASTICALLY LOCKING SWITCHING PARTS

Title (de)

EINRICHTUNG ZUM UNTERSTÜTZEN DER VERSCHIEBEBEWEGUNG UND ZUM ELASTISCHEN VERRIEGELN VON BEWEGLICHEN WEICHENTEILEN

Title (fr)

DISPOSITIF POUR ASSISTER LE MOUVEMENT DE DEPLACEMENT ET POUR LE VERROUILLAGE ELASTIQUE DE PARTIES D'AIGUILLAGE MOBILES

Publication

EP 1040037 A1 20001004 (DE)

Application

EP 98962124 A 19981216

Priority

- AT 9800308 W 19981216
- AT 213797 A 19971217

Abstract (en)

[origin: WO9930951A1] The invention relates to a device for supporting the displacement and for elastically locking switching parts, more particularly switch tongues in streetcar rail switches, comprising an axially displaceable tube or rod with recesses on its periphery for locating radially displaceable locking members and a pipe concentrically surrounding the pipe or the rod with recesses for locating locking members that are radially displaced outwards. The locking members (14, 15) are mounted on two lengths of pipe or retainers (12, 13) separated at an axial distance between the pipe (16) and the rod (4). An axial pressure spring (18) is arranged between the lengths of pipe or retainers (12, 13).

IPC 1-7

B61L 5/10

IPC 8 full level

B61L 5/10 (2006.01)

CPC (source: EP)

B61L 5/10 (2013.01)

Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB GR IE IT LI LU NL PT SE

DOCDB simple family (publication)

WO 9930951 A1 19990624; AT 406038 B 20000125; AT A213797 A 19990615; AT E223825 T1 20020915; AU 1743399 A 19990705; BG 104610 A 20010228; BG 63867 B1 20030430; DE 59805554 D1 20021017; EE 04361 B1 20041015; EE 200000332 A 20010815; EP 1040037 A1 20001004; EP 1040037 B1 20020911; HR P20000330 A2 20001231; HR P20000330 B1 20011031; HU 222204 B1 20030528; HU P0004524 A2 20010428; HU P0004524 A3 20020128; NO 20002981 D0 20000609; NO 20002981 L 20000609; PL 192789 B1 20061229; PL 341150 A1 20010326; PT 1040037 E 20030131; SK 882000 A3 20000814

DOCDB simple family (application)

AT 9800308 W 19981216; AT 213797 A 19971217; AT 98962124 T 19981216; AU 1743399 A 19981216; BG 10461000 A 20000714; DE 59805554 T 19981216; EE P200000332 A 19981216; EP 98962124 A 19981216; HR P20000330 A 20000523; HU P0004524 A 19981216; NO 20002981 A 20000609; PL 34115098 A 19981216; PT 98962124 T 19981216; SK 882000 A 19981216