

Title (en)

Locking device for moveable railway-switch parts.

Title (de)

Einrichtung zum Verriegeln von beweglichen Weichenteilen.

Title (fr)

Dispositif de verrouillage pour pièces d'aiguillage de chemin de fer.

Publication

**EP 0603156 A1 19940622 (DE)**

Application

**EP 93890246 A 19931216**

Priority

AT 250792 A 19921217

Abstract (en)

In a device for locking limit positions of movable railway-switch parts, in particular railway-switch closure, in which two parts (2, 3) which can be moved in relation to one another can be displaced into a position in which they engage frictionally in at least one direction of movement, the parts which can be displaced in relation to one another are formed by a pipe (2) and a bolt (3) which is guided axially in the pipe (2), separate locking elements (4), such as e.g. balls or rollers which can be displaced in the radial direction, being additionally provided (Fig. 1). <IMAGE>

Abstract (de)

Bei einer Einrichtung zum Verriegeln von Endlagen von beweglichen Weichenteilen, insbesondere Weichenverschluß, bei welcher zwei relativ zueinander bewegliche Teile (2,3) in eine in wenigstens einer Bewegungsrichtung kraftschlüssige Lage verschiebbar sind, sind die relativ zueinander verschieblichen Teile von einem Rohr (2) und einem im Rohr (2) axial geführten Bolzen (3) gebildet, wobei zusätzlich gesonderte Verriegelungsglieder (4), wie z.B. in radialer Richtung verlagerbare Kugeln oder Walzen, vorgesehen sind (Fig.1). <IMAGE>

IPC 1-7

**B61L 5/10**

IPC 8 full level

**B61L 5/02** (2006.01); **B61L 5/10** (2006.01)

IPC 8 main group level

**E01B 25/00** (2006.01); **E01B 7/00** (2006.01)

CPC (source: EP US)

**B61L 5/10** (2013.01 - EP US)

Citation (search report)

- [XA] FR 2268141 A1 19751114 - ALKAN R & CIE [FR]
- [A] DE 1755894 A1 19720525 - DAUM FRIEDRICH WILHELM KG
- [A] EP 0485248 A1 19920513 - CHAUVAT SOFRANQ [FR]
- [A] EP 0457754 A2 19911121 - ALCATEL AUSTRIA AG [AT]

Cited by

AT15615U1; EP0858938A3; AU2004285619B2; EP0896915A1; EP0779197A1; AU2002325608B2; EP0684174A1; US5566912A; WO2005042330A1; US7674065B2; WO03011672A1; WO9930951A1; US6789770B2; US6354541B1; WO02055361A1; WO9854041A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

**EP 0603156 A1 19940622; EP 0603156 B1 19950927**; AT E128426 T1 19951015; AU 5246793 A 19940630; AU 671686 B2 19960905; CA 2111661 A1 19940618; CA 2111661 C 19990810; CN 1052449 C 20000517; CN 1100483 A 19950322; DE 59300683 D1 19951102; DK 0603156 T3 19960205; ES 2080604 T3 19960201; FI 108156 B 20011130; FI 935683 A0 19931216; FI 935683 A 19940618; GR 3018477 T3 19960331; HU 217709 B 20000428; HU T66440 A 19941128; NO 306051 B1 19990913; NO 934649 D0 19931216; NO 934649 L 19940620; SI 9300651 A 19940630; US 5462245 A 19951031

DOCDB simple family (application)

**EP 93890246 A 19931216**; AT 93890246 T 19931216; AU 5246793 A 19931216; CA 2111661 A 19931216; CN 93120126 A 19931216; DE 59300683 T 19931216; DK 93890246 T 19931216; ES 93890246 T 19931216; FI 935683 A 19931216; GR 950403617 T 19951220; HU 9303609 A 19931216; NO 934649 A 19931216; SI 9300651 A 19931210; US 16825693 A 19931217