

Title (en)

SWITCHING APPARATUS FOR MOVABLE PARTS IN THE DIVERGING REGION OF A RAILWAY POINT

Publication

EP 0315621 A3 19900214 (DE)

Application

EP 88890269 A 19881028

Priority

- AT 227488 A 19880916
- AT 293187 A 19871105

Abstract (en)

[origin: EP0315621A2] In a switching apparatus for movable parts of a railway point in the diverging region of a point, in particular tongue rails (3), monorail deflection devices or movable stock rails, in which the movable rails (3) can be moved to bear against rigid point parts (1, 2), the movable rails (3) are supported in their bearing position by means of supporting bars (4) which run in the longitudinal direction of the rails and are guided displaceably on the sleepers or baseplates in the longitudinal direction of the rails. In this arrangement, the supporting bars (4) are designed as an actuating member for the switching and comprise thrust supports (7) which interact with thrust supports (10) of the movable rails (3) for the purpose of displacing the rails, at least one of the interacting surfaces of the thrust supports (7, 10) of the rail (3) and/or supporting bar (4) being formed by a wedge surface (8) which merges into a supporting surface (9) which is essentially parallel to the longitudinal direction of the supporting bar (4), which supporting surface (9) interacts with the thrust support (10) of the rail (3) in the bearing position of said rail. As a result, a reliable and exact switching for points, in particular high-speed points having a large radius of curvature, is made possible in a simple manner (Fig. 1). <IMAGE>

IPC 1-7

E01B 7/06; **B61L 5/02**

IPC 8 full level

B61L 5/02 (2006.01); **E01B 7/06** (2006.01); **E01B 7/08** (2006.01)

CPC (source: EP US)

B61L 5/02 (2013.01 - EP US); **E01B 7/06** (2013.01 - EP US); **E01B 7/08** (2013.01 - EP US)

Citation (search report)

- [Y] US 1569141 A 19260112 - HARISON RIFE WILLIAM
- [Y] FR 341986 A 19040824 - RICHARD ST GEORGE ST GEORGE MO [GB]
- [A] DE 1158538 B 19631205 - KRUG & CO HEINRICH
- [A] GB 191123285 A 19120418 - WOOD EDWARD [GB]
- [A] US 1827158 A 19311013 - MCELLOWNEY WILBER E
- [AD] AT 328488 B 19760325 - VOEST AG [AT]
- [AP] DE 3623743 A1 19880121 - LAUTENSCHLAEGER KG KARL [DE]

Cited by

EP3271511A4; EP2113438A1; FR2930503A1; GB2435893B; EP0712772A3; EP0480303A3; US10724179B2; WO2007102014A1

Designated contracting state (EPC)

AT BE CH DE ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)

EP 0315621 A2 19890510; **EP 0315621 A3 19900214**; **EP 0315621 B1 19921223**; AT E83813 T1 19930115; DE 3876950 D1 19930204; DK 167668 B1 19931206; DK 617788 A 19890506; DK 617788 D0 19881104; ES 2038343 T3 19930716; GR 3007432 T3 19930730; IN 170171 B 19920222; NO 173251 B 19930809; NO 173251 C 19931117; NO 884939 D0 19881104; NO 884939 L 19890508; PL 159272 B1 19921231; PL 275619 A1 19890710; US 4927102 A 19900522; YU 202188 A 19910630; YU 47827 B 19960109

DOCDB simple family (application)

EP 88890269 A 19881028; AT 88890269 T 19881028; DE 3876950 T 19881028; DK 617788 A 19881104; ES 88890269 T 19881028; GR 930400619 T 19930323; IN 868CA1988 A 19881021; NO 884939 A 19881104; PL 27561988 A 19881104; US 26787688 A 19881107; YU 202188 A 19881021