

Title (en)  
Roller device for a switch tongue

Title (de)  
Rollvorrichtung für eine Zungenschiene einer Weiche

Title (fr)  
Dispositif de roulement pour une lame d'un aiguillage

Publication  
**EP 2402506 A3 20141126 (DE)**

Application  
**EP 11004506 A 20110601**

Priority  
DE 102010025770 A 20100701

Abstract (en)  
[origin: EP2402506A2] The device (9) has a roller carrier (13) e.g. angular profile (14), comprising rollers (17) and mounted on a rail base plate (1) formed as a sliding plate or a sliding chair plate. A point rail (6) lies on the roller during an adjustment process. The roller carrier is arranged on a retaining plate (10) connected with the rail base plate and tiltably arranged around an axis (12) of the retaining plate. A spring element (20) lies on the roller carrier with a preset defined spring force. The rollers are arranged one behind the other or side by side in a roller support.

IPC 8 full level  
**E01B 7/02** (2006.01)

CPC (source: EP KR US)  
**E01B 7/00** (2013.01 - KR); **E01B 7/02** (2013.01 - EP KR US)

Citation (search report)

- [X] JP H11278271 A 19991012 - RAILWAY TECHNICAL RES INST
- [X] EP 1052330 A2 20001115 - BUTZBACHER WEICHENBAU GMBH [DE]

Cited by  
WO2018094434A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 2402506 A2 20120104; EP 2402506 A3 20141126; EP 2402506 B1 20160831**; BR PI1103471 A2 20130723; BR PI1103471 A8 20190917; BR PI1103471 B1 20200915; CA 2744731 A1 20120101; CA 2744731 C 20170228; CN 102330391 A 20120125; CN 111501427 A 20200807; CN 111501427 B 20220211; CY 1118257 T1 20170628; DE 102010025770 A1 20120105; DK 2402506 T3 20170102; ES 2599990 T3 20170206; HR P20161535 T1 20161230; HU E029749 T2 20170428; JP 2012012931 A 20120119; JP 5818540 B2 20151118; KR 101821331 B1 20180123; KR 20120002915 A 20120109; LT 2402506 T 20161025; PL 2402506 T3 20170531; RU 2011127020 A 20130110; US 2012001030 A1 20120105; US 8608115 B2 20131217

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**EP 11004506 A 20110601**; BR PI1103471 A 20110630; CA 2744731 A 20110628; CN 201110196874 A 20110701; CN 202010027146 A 20110701; CY 161101232 T 20161128; DE 102010025770 A 20100701; DK 11004506 T 20110601; ES 11004506 T 20110601; HR P20161535 T 20161121; HU E11004506 A 20110601; JP 2011147356 A 20110701; KR 20110055865 A 20110610; LT 11004506 T 20110601; PL 11004506 T 20110601; RU 2011127020 A 20110630; US 201113173442 A 20110630