

Title (en)

RAILWAY AXLE WITH AUTOMATIC CHANGE TO MULTIPLE TRACK WIDTHS

Title (de)

SCHIENENACHSE MIT AUTOMATISCHEM WECHSEL ZU MEHREREN SPURBREITEN

Title (fr)

ESSIEU FERROVIAIRE À ADAPTATION AUTOMATIQUE À PLUSIEURS LARGEURS DE VOIE

Publication

EP 3020610 A1 20160518 (EN)

Application

EP 14822552 A 20140710

Priority

- ES 201331055 A 20130711
- ES 2014070565 W 20140710

Abstract (en)

The railway axle comprises railway wheels (1) mounted on an axle (2) by means of sliding adjustment, by virtue of the interposition of adjusted bushings (3) that are lubricated by means of grease on the inside (4) of the wheel (1), allowing the transition from one width to another without the need to release the wheel load. The wheels (1) are immobilised on the axle (2) in terms of the axle movement thereof by means of the sleeve (5) of claws (5') secured in rotation to the axle (2), the claws (5') being housed in annular, trapezoidal grooves (6') provided in rings (6) mounted on the hub (7) of the wheel (1), locking and unlocking involving a clamping sleeve (10) and pretensioned springs (11), the force of which may be overcome by a disc-like pusher (12), the railway axle furthermore including articulated compasses (13) connected by one end to a supporting sleeve (14) of the actual articulated compasses (13) and by the other end to a base ring (9) that is hooped and secured to the axle.

IPC 8 full level

B61F 7/00 (2006.01)

CPC (source: EP ES)

B61F 7/00 (2013.01 - EP ES)

Citation (third parties)

Third party : **J. A. Morgades**

ES 2492790 A1 20140910 - COSTA ESPARZA SALVADOR [ES], et al

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 3020610 A1 20160518; EP 3020610 A4 20170222; EP 3020610 B1 20190911; CL 2016000040 A1 20161014; CN 105492292 A 20160413; CN 105492292 B 20180130; EA 030086 B1 20180629; EA 201690168 A1 20160531; ES 2428239 A1 20131106; ES 2428239 B1 20140416; MD 20160011 A2 20160630; MD 4572 B1 20180630; MD 4572 C1 20190131; PL 3020610 T3 20200331; PT 3020610 T 20191031; UA 117489 C2 20180810; WO 2015004303 A1 20150115

DOCDB simple family (application)

EP 14822552 A 20140710; CL 2016000040 A 20160108; CN 201480047313 A 20140710; EA 201690168 A 20140710; ES 201331055 A 20130711; ES 2014070565 W 20140710; MD 20160011 A 20140710; PL 14822552 T 20140710; PT 14822552 T 20140710; UA A201600684 A 20140710