

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 A4 20170222 (EN)

Application

EP 14822552 A 20140710

Priority

- ES 201331055 A 20130711
- ES 2014070565 W 20140710

Abstract (en)

[origin: EP3020610A1] 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 (search report)

- No further relevant documents disclosed
- See references of WO 2015004303A1

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

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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