

Title (en)

GAUGE-CHANGING SYSTEM FOR NARROW GAUGE

Title (de)

MESSGERÄTÄNDERUNGSSYSTEM FÜR SCHMALE MESSGERÄTE

Title (fr)

SYSTÈME DE MODIFICATION D'ÉCARTEMENT POUR VOIE ÉTROITE

Publication

EP 2824012 A4 20150812 (EN)

Application

EP 12851657 A 20121122

Priority

- ES 201131900 A 20111124
- ES 201231768 A 20121116
- ES 2012070813 W 20121122

Abstract (en)

[origin: EP2824012A1] The system is devised for adapting the bogies of a train to different railway track gauges, including a plurality of bogies made by two half-bogies (1 or 1') which are displaceable by means of lateral sleepers (2 or 2') and a central sleeper (3 or 3'), said displacement being locked by means of locking mechanisms (4 or 4') provided on the lateral sleepers (2') and central sleeper (3'), where the half-axles (5') of the respective half-bogies (1 or 1') are independent. The system further includes a gauge changing platform having lateral displacement bedplates (14 or 14') provided with bogie gauge opening means (9 or 9') and closing means (16 or 16') actuated by means of reversible screws. The system further includes bogie-carrying carriages (10 or 10') which are displaceable along a ditch (13 or 13'), each of said bogie-carrying carriages (10 or 10') being provided with a counterpivot (12) for elevating the transported load during the adaptation maneuvers, such that the gauge opening and closing means do not have to carry out great efforts, and providing also traction to said bogie until the next bogie arrives at the gauge changing platform.

IPC 8 full level

B61F 7/00 (2006.01)

CPC (source: EP)

B61F 7/00 (2013.01)

Citation (search report)

- [A] WO 2006039848 A1 20060420 - YANG SHILAN [CN]
- [A] EP 1318058 A1 20030611 - TALGO PATENTES [ES]
- [A] JP H06270811 A 19940927 - SUMITOMO METAL IND
- [A] EP 1247714 A1 20021009 - ALSTOM [FR]
- [A] DE 19619439 A1 19961128 - KRAUSS MAFFEI VERKEHRSTECHNIK [DE]
- [A] EP 2351679 A1 20110803 - TALGO PATENTES [ES]
- [A] EP 0747278 A1 19961211 - JAPAN RAILWAY CONSTRUCTION PUB [JP], et al
- See references of WO 2013076338A1

Cited by

CN108674438A; CN108407838A; CN108423025A; CN108501973A; RU2631167C1; CN108407842A

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

DOCDB simple family (publication)

EP 2824012 A1 20150114; EP 2824012 A4 20150812; AR 088962 A1 20140723; UY 34468 A 20130628; WO 2013076338 A1 20130530

DOCDB simple family (application)

EP 12851657 A 20121122; AR P120104402 A 20121123; ES 2012070813 W 20121122; UY 34468 A 20121123