

Title (en)

A verification and measurement apparatus for railway axles

Title (de)

Überprüfungs- und Messvorrichtung für Schienenachsen

Title (fr)

Appareil de vérification et de mesure pour essieux de chemin de fer

Publication

EP 2402227 B1 20180321 (EN)

Application

EP 11168855 A 20110606

Priority

IT TO20100479 A 20100607

Abstract (en)

[origin: EP2402227A1] Verification apparatus (1) for railway axles, comprising: - a displacement and support assembly (2, 10), - a measurement assembly (4), - a mobile support assembly (6), wherein: - said displacement and support assembly (2, 10) comprises support elements (96, 98) arranged to rotatably support a railway axle (186), wherein said displacement and support assembly comprises a motor assembly (100, 102) for the displacement of said support elements (96, 98), - said measurement assembly (4) comprises optical instruments (122) arranged for the detection of one or more profiles (P1, P2, P3) of a wheel (190) of said railway axle (186), - said apparatus (1) is configured for supporting said railway axle (186) alternatively by means of said mobile support assembly (6) or said support elements (96, 98) of said displacement and support assembly (2), wherein when said railway axle is supported by said support elements (96, 98): - said motor assembly (100, 102) is arranged to bring in rotation said support elements (96, 98) and said railway axle (186), - said measurement assembly (4) can be actuated to detect said one or more profiles (P1, P2, P3).

IPC 8 full level

B61K 9/12 (2006.01)

CPC (source: EP)

B61K 9/12 (2013.01)

Cited by

CN107063118A; KR20200055906A; CN104316004A; ES2398798A1; IT202000023620A1; EP2853879A1; CN106081157A; CN104477211A; CN106080664A; US11994384B2; US9787883B2; EP3637085A1; CN112840194A; CN117141548A; WO2014180883A1; WO2013177393A1; WO2020074701A1; US11713064B1; US8925873B2; US9340219B2; US10732148B2

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 2402227 A1 20120104; EP 2402227 B1 20180321; IT 1400542 B1 20130611; IT TO20100479 A1 20111208

DOCDB simple family (application)

EP 11168855 A 20110606; IT TO20100479 A 20100607