

Title (en)

TRAIN WHEELBASE DETECTION METHOD AND SYSTEM

Title (de)

VERFAHREN UND SYSTEM ZUR MESSUNG DES ZUGRADSTANDS

Title (fr)

PROCÉDÉ ET SYSTÈME DE DÉTECTION D'EMPATTEMENT DE TRAIN

Publication

EP 3626574 A4 20210317 (EN)

Application

EP 19812656 A 20190531

Priority

- CN 201810756122 A 20180711
- CN 2019089522 W 20190531

Abstract (en)

[origin: EP3626574A1] The present disclosure relates to a method and a system for measuring train wheelbase. The method includes: judging whether train wheels are passing by at least two non-contact sensors at present according to sensing data from the at least two non-contact sensors arranged on an outer side of a train track and arranged at intervals along the train track; in response to determination that train wheels are passing by the at least two non-contact sensors at present, calculating a moving speed of the train wheels according to the sensing data from the at least two non-contact sensors, and calculating a first time interval of adjacent train wheels passing by a same non-contact sensor of the at least two non-contact sensors; and calculating a wheelbase of the adjacent train wheels based on the moving speed and the first time interval. By adoption of the embodiment of the present disclosure, the adaptability of train wheelbase measurement can be improved.

IPC 8 full level

B61L 1/10 (2006.01); **B61K 9/08** (2006.01); **B61L 1/16** (2006.01); **B61L 25/02** (2006.01); **B61L 25/04** (2006.01); **B61L 27/00** (2006.01)

CPC (source: CN EP)

B61K 9/08 (2013.01 - CN); **B61L 1/10** (2013.01 - EP); **B61L 1/166** (2013.01 - EP); **B61L 25/021** (2013.01 - EP); **B61L 27/57** (2022.01 - EP); **B61L 25/023** (2013.01 - EP)

Citation (search report)

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- [A] US 4932784 A 19900612 - DANNESKIOLD-SAMSOE ULRİK [DK]
- [A] CA 3020525 A1 20171012 - ILER DARRELL [US]
- See also references of WO 2020010962A1

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CN113573012A

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 3626574 A1 20200325; **EP 3626574 A4 20210317**; BR 102019014301 A2 20200128; BR 102019014301 B1 20240123; CN 108674442 A 20181019; CN 108674442 B 20231110; WO 2020010962 A1 20200116

DOCDB simple family (application)

EP 19812656 A 20190531; BR 102019014301 A 20190710; CN 201810756122 A 20180711; CN 2019089522 W 20190531