

Title (en)

ON-BOARD APPARATUS AND METHOD FOR DETERMINING TRAIN INTEGRITY BY LENGTH

Title (de)

BORDVORRICHTUNG UND VERFAHREN ZUR BESTIMMUNG DER ZUGINTEGRITÄT NACH LÄNGE

Title (fr)

APPAREIL EMBARQUÉ ET PROCÉDÉ DE DÉTERMINATION DE L'INTÉGRITÉ D'UN TRAIN EN FONCTION DE LA LONGUEUR

Publication

EP 3919345 A1 20211208 (EN)

Application

EP 20425040 A 20200605

Priority

EP 20425040 A 20200605

Abstract (en)

The length and integrity of a train (1) may be determined based on the frequency difference Δf obtained at a transmitting and receiving unit (10) between a transmitted sonic FMCW signal S_t and a corresponding sonic return signal S_r sent along the length L of a pipe (5) between opposite ends of the train.

IPC 8 full level

B61L 15/00 (2006.01)

CPC (source: BR EP)

B61L 15/0054 (2013.01 - BR EP)

Citation (applicant)

- AU 2015224435 A1 20160324 - ALSTOM TRANSP TECH
- WO 2018015478 A2 20180125 - THALES AUSTRIA GMBH [AT]
- DE 3124884 A1 19820311 - LICENTIA GMBH [DE]
- DE 19946168 A1 20010426 - SIEMENS AG [DE]

Citation (search report)

- [A] DE 102014215791 A1 20160211 - SIEMENS AG [DE]
- [A] AT 413973 B 20060715 - JOANNEUM RES FORSCHUNGSGESELLS [AT]
- [AD] DE 19946168 A1 20010426 - SIEMENS AG [DE]
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Cited by

CN114407979A

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)

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DOCDB simple family (application)

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