Title (en)
SYSTEM AND METHOD FOR DETERMINING TRACK OCCUPATION

Title (de)
SYSTEM UND VERFAHREN ZUR BESTIMMUNG DER GLEISBELEGUNG

Title (fr)
SYSTÈME ET PROCÉDÉ POUR DÉTERMINER L'OCCUPATION DE PISTE

Publication
**EP 2851261 A1 20150325 (EN)**

Application
**EP 13185194 A 20130919**

Priority
EP 13185194 A 20130919

Abstract (en)
A system for determining track occupation of a track section (B), comprises a first and a second tag (1a, 1b, 2a, 2b), the first tag (1a, 1b) being mounted at the front end (3) and the second tag (2a, 2b) being mounted and the rear end (4) of a vehicle (5); a first and a second tag counter unit (8', 9'), the first tag counter (8') unit being mounted at one end and the second tag counter unit (9') being mounted at the other end of the track section (B), each tag counter unit (8', 9') comprising two tag readers (10a, 10b, 11a, 11b) and a counting device (12a, 12b, 13a, 13b) for incrementing or decrementing a counter value; and an axle counter evaluator (ACE) connected to the counting devices (12a, 12b, 13a, 13b) of both tag counter units (8', 9') for evaluating whether the track section (B) is free or occupied in dependence of the counter values of the counting devices (12a, 12b, 13a, 13b).

IPC 8 full level
**B61L 1/14** (2006.01); **B61L 1/16** (2006.01)

CPC (source: EP)
**B61L 1/14** (2013.01); **B61L 1/165** (2013.01)

Citation (applicant)
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Citation (search report)
- [XA] DE 3134766 A1 19830317 - SIEMENS AG [DE]
- [A] DE 4220130 A1 19931223 - SIEMENS AG [DE]
- [A] DE 3214304 A1 19831027 - SIEMENS AG [DE]

Cited by
CN111776012A; WO2023068948A1

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 2851261 A1 20150325**; **EP 2851261 B1 20160427**; CN 105555636 A 20160504; CN 105555636 B 20180522; WO 2015040076 A2 20150326; WO 2015040076 A3 20150521

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