

Title (en)
SYSTEM AND METHOD FOR SWITCHING RAILCARS USING A STATIC RAIL-TRACK CONFIGURATION

Title (de)
SYSTEM UND VERFAHREN ZUM RANGIEREN VON SCHIENENFAHRZEUGEN MIT EINER STATISCHEN GLEISSPURKONFIGURATION

Title (fr)
SYSTÈME ET PROCÉDÉ POUR CHANGER DES VÉHICULES DE CHEMIN DE FER À L'AIDE D'UNE CONFIGURATION DE RAILS STATIQUE

Publication
EP 3710332 A1 20200923 (EN)

Application
EP 18878176 A 20181119

Priority
• US 201762588124 P 20171117
• US 2018061775 W 20181119

Abstract (en)
[origin: WO2019099984A1] The various embodiments herein provide an onboard track switching mechanism for a railroad vehicle to switch from one track to another. Currently available onboard railroad vehicle switching mechanisms employ complicated coordination between one or more switching wheels and complex control systems. Accordingly, system and method For enabling a railroad vehicle to switch tracks is disclosed. The system comprises a a running track that supports an automotive a switching track comprising a set of static components and a switching mechanism installed- on the automotive, the switching mechanism configured for controlling the movement of one or more switching wheels such that when activated, the switching mechanism is configured to facilitate engagement of the: one or more switching wheels with the switching track for carrying out a track changing operation for the automotive.

IPC 8 full level
B61L 11/02 (2006.01); **B61B 3/00** (2006.01); **B61F 7/00** (2006.01); **B61L 11/00** (2006.01); **B61L 17/00** (2006.01)

CPC (source: EP KR RU US)
B61B 3/00 (2013.01 - EP RU); **B61B 3/02** (2013.01 - KR); **B61B 13/04** (2013.01 - KR); **B61F 7/00** (2013.01 - EP KR RU US); **B61L 11/02** (2013.01 - EP KR RU US); **B61B 3/00** (2013.01 - US); **B61B 13/04** (2013.01 - US)

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)
WO 2019099984 A1 20190523; AU 2018368752 A1 20200702; AU 2023203588 A1 20230706; BR 112020009557 A2 20201103; CA 3082600 A1 20190523; CN 111433105 A 20200717; EP 3710332 A1 20200923; EP 3710332 A4 20211222; JP 2021503412 A 20210212; JP 7444457 B2 20240306; KR 20200083603 A 20200708; MX 2020005479 A 20200827; RU 2020119424 A 20211220; RU 2020119424 A3 20211220; RU 2763412 C2 20211229; US 2020339169 A1 20201029; ZA 202003647 B 20220727

DOCDB simple family (application)
US 2018061775 W 20181119; AU 2018368752 A 20181119; AU 2023203588 A 20230608; BR 112020009557 A 20181119; CA 3082600 A 20181119; CN 201880074083 A 20181119; EP 18878176 A 20181119; JP 2020545056 A 20181119; KR 20207017067 A 20181119; MX 2020005479 A 20181119; RU 2020119424 A 20181119; US 201816764853 A 20181119; ZA 202003647 A 20200617