

Title (en)

RAIL SYSTEM HAVING AT LEAST ONE RAIL PART, A SLOTTED WAVEGUIDE, AND A VEHICLE MOVABLY ARRANGED IN A RAIL DIRECTION

Title (de)

SCHIENENSYSTEM, AUFWEISEND MINDESTENS EIN SCHIENENTEIL, EINEN SCHLITZHOHLLEITER UND EIN IN SCHIENENRICHTUNG BEWEGBAR ANGEORDNETES FAHRZEUG

Title (fr)

SYSTÈME DE RAIL, COMPRENANT AU MOINS UNE PIÈCE DE RAIL, UN GUIDE À FENTE ET UN VÉHICULE DISPOSÉ DE MANIÈRE À POUVOIR ÊTRE DÉPLACÉ DANS LA DIRECTION DU RAIL

Publication

**EP 3523170 B1 20211110 (DE)**

Application

**EP 17777168 A 20170925**

Priority

- DE 102016011881 A 20161006
- EP 2017025271 W 20170925

Abstract (en)

[origin: WO2018065099A1] The invention relates to a rail system having at least one rail part, a slotted waveguide, and a vehicle which is movably arranged in the rail direction. The slot direction of the slotted waveguide is parallel to the rail direction of the rail part. In particular, the slotted waveguide is arranged on the rail part or is integrated into the rail part. The vehicle has a frame on which a receiving unit is rotatably mounted. In particular, the rotational axis of the rotational support of the receiving unit is oriented in a direction transverse to the rail direction. A test part is held by the receiving unit, and at least one region facing the slotted waveguide, in particular an end region, is arranged in a deflectable manner relative to the receiving unit, wherein a sensor means for detecting the deflection of the region is arranged on the test part and/or on the receiving unit. In particular, the region at least partly protrudes into the slotted waveguide through the slot of the slotted waveguide. In particular, the region at least partly protrudes into the hollow region of the slotted waveguide, thus the slotted waveguide region in particular.

IPC 8 full level

**B61B 13/00** (2006.01)

CPC (source: EP)

**B61B 13/00** (2013.01)

Cited by

CN114787017A

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)

**WO 2018065099 A1 20180412**; DE 102017008931 A1 20180412; EP 3523170 A1 20190814; EP 3523170 B1 20211110

DOCDB simple family (application)

**EP 2017025271 W 20170925**; DE 102017008931 A 20170925; EP 17777168 A 20170925