

Title (en)

Supervision device and sensor device comprising a supervision device

Title (de)

Überwachungsvorrichtung und Sensorvorrichtung mit der Überwachungsvorrichtung

Title (fr)

Dispositif de surveillance et dispositif de capteur comprenant un dispositif de surveillance

Publication

EP 2962915 B1 20220601 (EN)

Application

EP 14175593 A 20140703

Priority

EP 14175593 A 20140703

Abstract (en)

[origin: EP2962915A1] The invention concerns a supervision device for monitoring a mounting state of a sensor element (4) to a track (2), the supervision device comprising: a sensor contact element (5) being adapted for being attached to the sensor element (4), a track contact element (1) being adapted for being attached to the track (2), wherein one of the contact elements (1, 5) comprises two electrical contact points (6a, 6b) which are insulated from each other, and the other contact element comprises an electrical contact area (3a, 3b, 3c), wherein in a mounted state of the sensor element (4) the contact area (3a, 3b, 3c) contacts both electrical contact points thereby forming an electrical contact between the two electrical contact points, and wherein in a dismounted state of the sensor element (4) the contact area (3a, 3b, 3c) does not form an electrical contact between the two contact points (6a, 6b). The inventive supervision device allows reliable detection of a dismounting or an improper mounting of the sensor element

IPC 8 full level

B61L 1/20 (2006.01); **B61L 1/16** (2006.01); **B61L 3/12** (2006.01)

CPC (source: EP)

B61L 1/20 (2013.01); **B61L 1/16** (2013.01); **B61L 1/169** (2013.01); **B61L 3/121** (2013.01); **B61L 3/126** (2013.01)

Cited by

DE102015209721B3; CN111098886A; EP3835166A1; WO2021116412A1; KR20220109411A

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)

EP 2962915 A1 20160106; EP 2962915 B1 20220601; DK 2962915 T3 20220718; ES 2921603 T3 20220830; HR P20220834 T1 20221014; HU E059172 T2 20221128; LT 2962915 T 20220725; PL 2962915 T3 20220912; PT 2962915 T 20220725; SI 2962915 T1 20220831; WO 2016000868 A1 20160107

DOCDB simple family (application)

EP 14175593 A 20140703; DK 14175593 T 20140703; EP 2015060997 W 20150519; ES 14175593 T 20140703; HR P20220834 T 20140703; HU E14175593 A 20140703; LT 14175593 T 20140703; PL 14175593 T 20140703; PT 14175593 T 20140703; SI 201431970 T 20140703