

Title (en)  
STATE MONITORING DEVICE, STATE MONITORING SYSTEM, AND TRAIN

Title (de)  
ZUSTANDSÜBERWACHUNGSVORRICHTUNG, ZUSTANDSÜBERWACHUNGSSYSTEM UND ZUG

Title (fr)  
DISPOSITIF DE SURVEILLANCE D'ÉTAT, SYSTÈME DE SURVEILLANCE D'ÉTAT, ET TRAIN

Publication  
**EP 3246223 A4 20181212 (EN)**

Application  
**EP 16737159 A 20160314**

Priority  
IB 2016051433 W 20160314

Abstract (en)  
[origin: EP3246223A1] In the related art, a system is not disclosed in which a predetermined location or position is automatically recorded regardless of any sensor information for preventive maintenance from characteristic sensor information that is generated at the predetermined location or section. There is provided a state-monitoring device that performs state monitoring of a vehicle based on a sensor signal and positional information of the vehicle, the state-monitoring device is configured to have a sensor signal detecting portion, a sensor signal threshold determination processing portion, a sensor signal threshold exceeding section management portion that inputs positional information of the vehicle and a determination result by the sensor signal threshold determination processing portion and measures the number of times that the threshold is exceeded within a predetermined section, and an automatic recording section management portion that determines whether or not the number of times that the threshold is exceeded within the predetermined section exceeds the predetermined number of times and sets the predetermined section as an automatic recording section in a case where the number of times that the threshold is exceeded exceeds the predetermined number of times.

IPC 8 full level  
**B61L 15/00** (2006.01); **B61L 25/02** (2006.01); **B61L 27/00** (2006.01)

CPC (source: EP GB)  
**B61L 15/0072** (2013.01 - EP GB); **B61L 15/0081** (2013.01 - EP GB); **B61L 25/02** (2013.01 - EP GB); **B61L 27/40** (2022.01 - EP GB); **B61L 27/57** (2022.01 - EP GB)

Citation (search report)

- [A] EP 2436574 A1 20120404 - HITACHI LTD [JP]
- [A] WO 2015100425 A1 20150702 - AMSTED RAIL CO INC [US]
- [A] WO 0070148 A1 20001123 - AEA TECHNOLOGY PLC [GB], et al
- See references of WO 2016113724A1

Cited by  
US2023267775A1; EP3808590A4; EP3744554A4

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 3246223 A1 20171122; EP 3246223 A4 20181212; EP 3246223 B1 20200506**; WO 2016113724 A1 20160721

DOCDB simple family (application)  
**EP 16737159 A 20160314**; IB 2016051433 W 20160314