

Title (en)

Method and stationery system for monitoring equipment of a railway vehicle

Title (de)

Verfahren und stationäres System zur Überwachung von Geräten eines Schienenfahrzeugs

Title (fr)

Procédé et système stationnaire pour surveiller l'équipement d'un véhicule de chemin de fer

Publication

**EP 2546120 B1 20140305 (EN)**

Application

**EP 11305910 A 20110712**

Priority

EP 11305910 A 20110712

Abstract (en)

[origin: EP2546120A1] The present invention relates to a method for automatically monitoring equipment of a railway vehicle (1) with a stationary monitoring system (50), the railway vehicle including at least one equipment (12, 14, 16, 18, 20, 22, 24, 26 28, 30, 80) to be monitored that is arranged to be visible from the outside of the railway vehicle, wherein the method comprises: acquiring at least one visual image of the railway vehicle (1) from the stationary monitoring system (50) such that at least a portion of the at least one equipment (12, 14, 16, 18, 20, 22, 24, 26 28, 30, 80) is represented; acquiring at least one thermal image of the railway vehicle (1) from the stationary monitoring system (50) such that the at least a portion of the at least one equipment (12, 14, 16, 18, 20, 22, 24, 26 28, 30, 80) is represented, wherein the position of an object on the thermal image has predetermined relationship to the position of the same object on the visual image; determining the at least one equipment on the at least one visual image and/or on a first picture generated using the at least one visual image; and determining a thermal information of the at least one equipment (12, 14, 16, 18, 20, 22, 24, 26 28, 30, 80) using the predetermined relationship between the thermal image and the visual image. Further the present invention relates to a stationary system adapted to perform the method according to the invention.

IPC 8 full level

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CPC (source: EP)

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Cited by

US9536311B2; RU2702965C1; CN109895805A; CN110243615A; CN103455898A; US2016093054A1; FR3051300A1; CN116519705A; WO2019092248A1; WO2019092246A1; WO2019092247A1; WO2017194765A1; WO2018087337A1; WO2018087341A1; WO2018087343A1; WO2018087338A3

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DOCDB simple family (publication)

**EP 2546120 A1 20130116**; **EP 2546120 B1 20140305**; ES 2470145 T3 20140623; PL 2546120 T3 20140829

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