

Title (en)

MONITORING SYSTEM FOR A TRACKBOUND GOODS OR PASSENGER TRANSPORT IN A WAGON

Title (de)

ÜBERWACHUNGSSYSTEM FÜR EINEN SCHIENENGEBUNDENEN WAREN- ODER PERSONENTRANSPORT IN EINEM WAGGON

Title (fr)

SYSTÈME DE SURVEILLANCE POUR UN TRANSPORT SUR RAILS DE MARCHANDISES OU DE PASSAGERS DANS UN WAGON

Publication

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Application

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Abstract (en)

[origin: WO2012007439A1] The present invention relates to a monitoring system for a trackbound goods or passenger transport in at least one wagon. The one or more wagons may, for example, be railway wagons or tram wagons which are moved in the public rail system. The monitoring system according to the invention first of all comprises a generator mount, which is integrated in at least one wheel bearing of the wagon. The generator mount is therefore used on the one hand as the bearing for a wheel of the wagon, and on the other hand to produce electrical energy, as a result of which it forms a power supply unit. The components which are required to produce the electrical voltage in the generator mount are integrated in the mount. One of these components is formed by a conductor arrangement which is used for induction of an electrical voltage to be generated. The monitoring system according to the invention furthermore comprises sensor electronics, which are electrically connected to the conductor arrangement, for determining measurement variables which act on the conductor arrangement. In consequence, the generator mount furthermore forms a sensor.

IPC 8 full level

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Citation (search report)

See references of WO 2012007439A1

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