

Title (en)

System and method for checking the integrity of a multi-unit vehicle

Title (de)

System und Verfahren zur Überprüfung der Vollständigkeit eines mehrteiligen Fahrzeuges

Title (fr)

Système et procédé pour vérifier l'intégrité d'un véhicule à unités multiples

Publication

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Application

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Priority

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Abstract (en)

The present invention concerns a system and a method for controlling completeness of a multi-unit vehicle (2) comprising N units U_i , with $i = 1, \dots, N$, the system comprising: - at least N-1 RFID readers R_k and N-1 RFID tags T_k , with $k = 1, \dots, N-1$, wherein the RFID reader R_k is configured for being installed on the vehicle unit $U_{i=k}$ and the RFID tag T_k is configured for being installed on the vehicle unit $U_{i=k+1}$ so that the RFID tag T_k and the RFID reader R_k are able to exchange at least one data D_k only if the vehicle units $U_{i=k}$ and $U_{i=k+1}$ are separated by a distance smaller than a predefined distance threshold d , each RFID reader R_k being configured for providing a message M_k comprising information related to the reception or non-reception of the data D_k ; - an integrity controller (11) configured for being installed on-board the multi-unit vehicle (2), wherein the integrity controller (11) is configured for communicating with at least one RFID reader R_k for receiving said message M_k , the integrity controller (11) being configured for controlling the completeness of the multi-unit vehicle (2) from the information comprised in each message M_k he receives.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

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