Title (en)

METHOD AND DEVICE FOR DETERMINING THE TRAIN LENGTH OF A PLURALITY OF COUPLED RAILWAY TRACTION VEHICLES

Title (de)

VERFAHREN UND VORRICHTUNG ZUR BESTIMMUNG DER ZUGLÄNGE MEHRERER GEKUPPELTER TRIEBFAHRZEUGE

Title (fr)

PROCÉDÉ ET DISPOSITIF POUR DÉTERMINER LA LONGUEUR DE TRAIN DE PLUSIEURS AUTOMOTRICES ATTELÉES

Publication

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Application

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Abstract (en)

[origin: WO2011124519A1] The invention relates to a method and device for determining the train length of a plurality of coupled railway traction vehicles (1a, 1b, 1c), each comprising a vehicle device (2a, 2b, 2c) having an ID specific to the railway traction vehicle. In order to enable the determination of the train length of arbitrarily long train sets in a secure signaling manner using simple means, according to the invention, the vehicle devices (2a, 2b, 2c) determine whether the railway traction vehicle (1a, 1b, 1c) is coupled on one side or both sides by evaluating the coupling contacts, and the IDs of all coupled railway traction vehicle(1a, 1b, 1c) or ID pairs indicating the adjoining relationships of railway traction vehicles (1a/1b, 1b/1c) directly coupled to one another are successively transmitted to a particular vehicle device (2a, 2b, 2c) by means of digital I/O connections (5a, 5b, 6a, 6b) between the vehicle devices (2a, 2b, 2c), said device determining the train length as a function of the received IDs or ID pairs.

IPC 8 full level

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