

Title (en)

DATA TRANSMISSION DEVICE AND METHOD FOR TRANSMITTING DATA BETWEEN A FIRST AND SECOND VEHICLE UNIT OF A RAIL-BOUND VEHICLE

Title (de)

DATENÜBERTRAGUNGSVORRICHTUNG UND VERFAHREN ZUM ÜBERTRAGEN VON DATEN ZWISCHEN EINER ERSTEN UND ZWEITEN FAHRZEUGEINHEIT EINES SPURGEBUNDENEN FAHRZEUGS

Title (fr)

DISPOSITIF ET PROCÉDÉ DE TRANSMISSION DE DONNÉES POUR TRANSMETTRE DES DONNÉES ENTRE UNE PREMIÈRE UNITÉ DE VÉHICULE ET UNE SECONDE UNITÉ DE VÉHICULE D'UN VÉHICULE GUIDÉ

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Application

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Abstract (en)

[origin: WO2019015907A1] The invention relates to a data transmission device (10, 110) and a data transmission method for transmitting data between a first vehicle unit (11) and a second vehicle unit (12) of a rail-bound vehicle (1). The data transmission device (10, 110) comprises a transmission device (20) for transmitting a data signal representative of the data between the first vehicle unit (11) and second vehicle unit (12). In order to easily retrofit the rail-bound vehicle for a transmission rate of 1000 MBit/s between the vehicle units, the transmission device (20) comprises a first conversion unit (31; 131; 231), which is designed to convert a first data signal (25) which represents the data and can be transmitted within the first vehicle unit (11) over at least one vehicle cable (22; 122; 222, 225, 226, 227) having at least four core pairs, into a second data signal (26) representing the data for transmission at a transmission rate of 1000 MBit/s to the second vehicle unit (12). The second data signal can be transmitted between the first vehicle unit (11) and the second vehicle unit (12) over at least one transmission cable (23; 223) which comprises at least one core pair.

IPC 8 full level

B61L 15/00 (2006.01)

CPC (source: EP RU)

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Citation (search report)

See references of WO 2019015907A1

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