

Title (en)

METHOD FOR TRANSMITTING DATA FROM A TRACK-SIDE DEVICE TO A VEHICLE AND VEHICLE-SIDE AND TRACK-SIDE DEVICE

Title (de)

VERFAHREN ZUR ÜBERTRAGUNG VON DATEN VON EINER STRECKENSEITIGEN EINRICHTUNG AN EIN FAHRZEUG SOWIE FAHRZEUGSEITIGE UND STRECKENSEITIGE EINRICHTUNG

Title (fr)

DISPOSITIF DE TRANSMISSION DE DONNÉES D'UN APPAREIL CÔTÉ VOIE À UN VÉHICULE, APPAREIL CÔTÉ VÉHICULE ET APPAREIL CÔTÉ VOIE

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Application

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Priority

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Abstract (en)

[origin: WO2011023481A1] The invention relates to a method for transmitting data from a track-side device (10) to a vehicle (20), which method is versatile and also suitable for safety-critical requirements due to the reliability thereof. To this end, the method according to the invention is such that a light signal in the form of visible light (11) modulated with the data to be transmitted is emitted by the track-side device (10), wherein the data to be transmitted comprises an identifier identifying the track-side device (10), the identifier received by means of the light signal is compared to an expected identifier by the vehicle (20), and the data received with the light signal are discarded by the vehicle (20) if a deviation between the received identifier and the expected identifier is determined during the comparison. The invention further relates to a vehicle-side device and a track-side device.

IPC 8 full level

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Citation (examination)

- WO 0247955 A1 20020620 - SIEMENS AG [DE]
- DE 4420215 A1 19951207 - SIEMENS AG [DE]
- WO 2004041618 A1 20040521 - GE TRANSP SYSTEMS S P A [IT], et al

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CN110361713A; DE102019003786A1

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