Title (en)
SYSTEM AND METHOD FOR DETERMINING THE POSITION OF A GUIDED VEHICLE

Title (de)
SYSTEM UND VERFAHREN ZUR BESTIMMUNG DER POSITION EINES GEFÜHRTEN FAHRZEUGS

Title (fr)
SYSTÈME ET PROCÉDÉ DE MESURE DE LA POSITION D'UN VÉHICULE GUIDÉ

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Application
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Priority
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Abstract (en)
The present invention concerns a method and a system for determining a position of a guided vehicle (1) within a railway network, said system comprising: - a camera (311, 312) installed on-board the guided vehicle (1) for acquiring an image of a portion (21, 22) of track; - a trackside panel (34, 35) installed along said portion (21, 22) of track and comprising an identifier (341, 351) and at least one fixed size feature; - an identifier database (33) storing for each identifier (341, 351) a set of data comprising at least the position of the trackside panel (34, 35); - a processing unit (32) configured for detecting if the image acquired by the camera (311, 312) comprises a trackside panel (34, 35), identifying the identifier (341, 351) of any detected trackside panel (34, 35), and retrieving in the identifier database (33) the set of data corresponding to said identifier (341, 351), the processing unit being further configured for calculating the position of the guided vehicle (1) from the position of the trackside panel (34, 35) and a calculation of the distance separating the camera (311, 312) from the trackside panel (34, 35).

IPC 8 full level
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B61L 15/0054 (2013.01); B61L 23/041 (2013.01); B61L 25/025 (2013.01); B61L 25/026 (2013.01); B61L 2205/04 (2013.01)

Citation (search report)
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