

Title (en)
METHOD FOR MONITORING THE POSITION OF A PARKED RAIL VEHICLE, AND COMPUTER PROGRAM, IN PARTICULAR FOR A TRAIN SAFETY SYSTEM

Title (de)
VERFAHREN ZUR POSITIONSÜBERWACHUNG EINES ABGESTELLTEN SCHIENENFAHRZEUGS UND COMPUTERPROGRAMM, INSBESONDERE FÜR ZUGSICHERUNGSSYSTEM

Title (fr)
PROCÉDÉ DE SURVEILLANCE DE LA POSITION D'UN VÉHICULE FERROVIAIRE EN STATIONNEMENT, ET PROGRAMME INFORMATIQUE, EN PARTICULIER POUR UN SYSTÈME DE SÉCURITÉ DE TRAIN

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Abstract (en)
[origin: WO2021197724A1] The invention relates to a method for monitoring the position of a vehicle (FZ) parked on a track (GL) - also known as a cold movement detection. The vehicle (FZ) is equipped with a vehicle-side device (FE) of an automatic train safety system, and the vehicle-side device (FE) is deactivated when the vehicle (FZ) is parked. Prior to deactivating the vehicle-side device (FE), a first positional value (POS1) is determined from the position of the vehicle (FZ) by the automatic train safety system, and independently thereof a second positional value (POS2) is determined by another localization system (LS1). The second positional value (POS2) is assigned to the vehicle (FZ), and when the vehicle-side device (FE) is deactivated, the actual position (IPOS) of the vehicle (FZ) is monitored by the other localization system (LS1) by determining additional positional values (POSN). The second positional value (POS2) is used as the target position (SPOS) of the vehicle (FZ), and the additional positional values and/or a deviation of the actual position (IPOS) from the target position (SPOS) is transmitted to the track-side device (SE) of the train safety system. After the vehicle-side device (FE) is activated, the track-side device (SE) transmits a positional value which represents the actual position (IPOS) of the vehicle (FZ) to the vehicle-side device (FE). The automatic train conducting system can immediately assume the monitoring process starting from the first position (POS1) at least in the event the vehicle has not moved. The invention additionally relates to a computer program product, a preparation device for the computer program product, and an automatic train conducting system.

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