

Title (en)

METHOD FOR MONITORING A RAILWAY TRACK AND MONITORING UNIT FOR MONITORING A RAILWAY TRACK

Title (de)

VERFAHREN ZUR ÜBERWACHUNG EINES EISENBAHNGLEISES UND ÜBERWACHUNGSEINHEIT ZUR ÜBERWACHUNG EINES EISENBAHNGLEISES

Title (fr)

PROCÉDÉ DE SURVEILLANCE D'UNE VOIE FERRÉE ET UNITÉ DE SURVEILLANCE POUR SURVEILLER UNE VOIE FERRÉE

Publication

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Application

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Priority

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Abstract (en)

[origin: EP3978331A1] A method for monitoring a railway track (29) is provided, the method comprising: detecting a first monitoring signal (M1) by a distributed acoustic sensor (20) at an initial position (21) while a rail vehicle passes the initial position (21), wherein the distributed acoustic sensor (20) is arranged along the track (29), detecting a second monitoring signal (M2) by the distributed acoustic sensor (20) at at least one predefined position (22) along the track (29) while a rail vehicle passes the predefined position (22), comparing the first monitoring signal (M1) and the second monitoring signal (M2) with each other, wherein the first monitoring signal (M1) comprises features (23) that each relate to one axle of the rail vehicle passing the initial position (21) and the second monitoring signal (M2) comprises features (23) that each relate to one axle of the rail vehicle passing the predefined position (22), and comparing the first monitoring signal (M1) and the second monitoring signal (M2) with each other comprises counting the features (23) relating to axles of the respective passing rail vehicle for the first monitoring signal (M1) and the second monitoring signal (M2). Furthermore, a monitoring unit (24) for monitoring a railway track (29) is provided.

IPC 8 full level

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