

Title (en)
Method of tamping railway tracks

Title (de)
Gleisstopfmethode

Title (fr)
Procédé de bourrage de voies ferrées

Publication
EP 1418273 A1 20040512 (FR)

Application
EP 03292675 A 20031027

Priority
FR 0213936 A 20021107

Abstract (en)
The ballast vehicle is driven along the working railway line, and its outlets are computer controlled to deliver ballast to the track. A series of measuring gauges (7.1 - 7.n) which are capable of tracking a target (P1, P2) situated on the ballast vehicle, and continuously calculating position and transmitting this information to a processor mounted on the ballast vehicle. This is linked to the computer system. The procedure for carrying out works on railway lines includes filling the line with ballast. The ballast vehicle is driven along the line requiring work, and its outlets are controlled by a computerized system which compares a theoretical model of the line with the real topographical data derived from the line under maintenance. This includes the use of a series of measuring gauges (7.1 - 7.n) which are capable of tracking a target (P1, P2) situated on the ballast vehicle, and continuously calculating the topographical position of the target, and continuously transmitting this information to a processor mounted on the ballast vehicle. This is interfaced with the computer system which controls the output of ballast. The targets (P1, P2) may consist of front and rear prisms, co-operating successively with at least three automatic theodolite stations situated along the length of the track to measure the advance of the vehicle.

Abstract (fr)
Un procédé de bourrage de voie ferrée dans lequel une bourreuse est conduite sur la voie à travailler et ses organes de bourrage sont commandés à partir d'un système informatisé comparant un modèle théorique de la voie avec les données topographiques réelles de la voie à travailler et comporte l'utilisation d'une noria d'appareils de mesure (7.1 à 7.n) capables de poursuivre au moins une cible (P1, P2) disposée sur la bourreuse en calculant en continu la position topographique de ladite cible et de transmettre en continu ces positions topographiques à une unité de calcul embarquée sur la bourreuse et interfacée avec le système informatisé de commande des organes de bourrage. <IMAGE>

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IPC 8 full level
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Citation (search report)
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