

Title (en)

Process for screwing and unscrewing the sleeper screws of a railway track and apparatus for performing the process

Title (de)

Verfahren zum Schrauben und Losschrauben der Schienenschrauben eines Gleises und Vorrichtung zur Durchführung des Verfahrens

Title (fr)

Procédé de vissage et de dévissage des tirefonds d'une voie ferrée et machine pour la mise en oeuvre du procédé

Publication

EP 0735190 B1 19971119 (FR)

Application

EP 95810200 A 19950324

Priority

EP 95810200 A 19950324

Abstract (en)

[origin: EP0735190A1] On the trolley front, optical detectors, e.g. CCD cameras, 97), and processors (8) produce images giving the distance (XO +XD) of the spikes (5) on successive sleepers (4) from the origin of an orthogonal reference frame (X, Y, Z). A Roller-driven sensor (9) gives the trolley displacement (XO). The module (10) carrying the driving tools (16) rests on rollers (12), and is positioned on a rail (11) in the trolley by a horizontal actuator (13). Further actuators (17, 20) position the tools vertically and transversely. Tool coordinates pass to a central controller (6), also receiving optical (8) and rolling (9) sensor signals, via position sensors (15, 19, etc.). Tools can be skewed slightly at inaccurately driven spikes. The controller (6) implements all positioning and operating tasks, clamping the module (24) to the rails (3) during the latter, the trolley continuing meantime.

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IPC 8 full level

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CPC (source: EP US)

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