

Title (en)
TRACK-LAYING MACHINE WITH TRACK-LAYOUT-MEASURING SYSTEM

Title (de)
GLEISBAUMASCHINE MIT GLEISLAGEMESSSYSTEM

Title (fr)
ENGIN DE POSE DE VOIE COMPRENANT UN SYSTÈME DE MESURE D'ASSIETTE DE VOIE

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Abstract (en)
[origin: WO2018082796A1] The invention relates to a track-laying machine (1) for carrying out track layout corrections, comprising a machine frame (3) that can be moved on rails (4) of a track (5) by means of rail-mounted travel units (2), and a track-layout measuring system (11) comprising two outer measuring devices (12, 13) and a middle measuring device (14), in relation to a machine longitudinal direction (6), with a common reference base (15), the position of the measuring devices (12, 13, 14) being determined in relation to the rails (4). Two measuring chords (16, 17) facing each other extend between the outer measuring devices (12, 13) as a reference base (15), the middle measuring device (14) comprising a sensor (25) for detecting position data of the two measuring chords (16, 17), and the position data being supplied to an evaluation device (18) in order to determine a longitudinal height for each rail (4) and a sagitta. In this way, two measuring chords (16, 17) are sufficient for the detection of all of the track layout parameters.

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