Title (en)

TRACK LAYING MACHINE AND METHOD FOR TAMPING A TRACK

Title (de)

GLEISBAUMASCHINE UND VERFAHREN ZUM UNTERSTOPFEN EINES GLEISES

Title (fr)

ENGIN DE POSE DE VOIES ET PROCÉDÉ DE BOURRAGE D'UNE VOIE

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2022058154A1] The invention relates to a track laying machine (1) for tamping sleepers (15) incorporated into a ballast bed of a track (4), comprising a machine frame (2) which can be moved on rail bogies (3), rail lifting and lining units (10) for track position correction, and two single-sleeper tamping assemblies (8, 9) which are independent of one another and are arranged one behind the other in the direction of the machine longitudinal axis (39), wherein each tamping assembly (8, 9) has at least four independent tamping units (16), the height of which is adjustable via vertical drives (22) and which can be horizontally displaced in the machine transverse direction (38) via transverse drives, wherein each tamping unit (16) comprises at least one tool carrier (18) on which opposite tamping tools (17) are supported and are coupled by means of a vibration drive (19). According to the invention, one of the two tamping assemblies (8, 9) is designed in the manner of a point tamping assembly such that the associated tamping units (16) can be supported towards the outside in a transversely displaceable manner and positioned by means of a displacing device (23) consisting of three independent transverse guiding devices (25, 26, 27) in relation to the machine longitudinal axis (39) with respect to the machine frame (2) or with respect to a satellite frame (7) which can be moved along the machine longitudinal axis, and that the other tamping assembly is designed in the manner of a plain line tamping assembly such that the associated tamping units (16) can be supported in a transversely displaceable manner and positioned with just a displacing device (24). This increases the performance and thus tamping capability of the machine during plain line and/or point processing.

IPC 8 full level

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