

Title (en)

MACHINE AND METHOD USING A TAMPING ASSEMBLY

Title (de)

MASCHINE UND VERFAHREN MIT EINEM STOPFAGGREGAT

Title (fr)

MACHINE ET PROCÉDÉ UTILISANT UN ENSEMBLE DE BOURRAGE

Publication

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Application

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Abstract (en)

[origin: WO2022002520A1] The invention relates to a machine (1) with a tamping assembly (7) for simultaneously tamping down multiple sleepers (4), which are positioned one directly behind the other, of a track (3) using multiple tamping units (14) arranged one behind the other with respect to a machine longitudinal direction (17). Each tamping unit (14) comprises a height-adjustable tool support (15) on which opposing tamping tools (18) are mounted that are coupled to a vibration drive (19) arranged on the tool support (15) via add-on cylinders (20). Each vibration drive (19) comprises an eccentric shaft (25) with a first eccentric disc (27) and a second eccentric disc (28), the axes of symmetry (29, 30) of which together with a common rotational axis (25) define two eccentric planes (31, 32) that form a relative angle (δ) relative to each other, wherein a first add-on cylinder (20) is mounted on the first eccentric disc (27), an opposing second add-on cylinder (20) is mounted on the second eccentric disc (30), and the cylinder axes (33) of the opposing add-on cylinders (20) form a positional angle (β) which approximates the relative angle (δ) of the eccentric planes (31, 32).

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