

Title (en)

TAMPING UNIT FOR A TRACK-TAMPING MACHINE

Title (de)

STOPFAGGREGAT FÜR EINE GLEISSTOPFMASCHINE

Title (fr)

UNITÉ DE BOURRAGE POUR MACHINE DE BOURRAGE DE VOIE

Publication

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Application

EP 21810270 A 20211027

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- AT 509302020 A 20201028
- AT 2021060396 W 20211027

Abstract (en)

[origin: WO2022087643A1] The invention relates to a tamping unit (W1) for a track-tamping machine (A), the tamping unit comprising tamping tool pairs (7, 8), which are disposed on a carrier (4) height-adjustably guided in a tamping unit frame and are in the form of oscillating levers (13) and the lower tamping tine ends (10) of which are driven in opposite directions by means of a linear oscillatory drive (2) and can be hydraulically fed toward each other, which tamping tine ends are intended to be plunged into a ballast bed. According to the invention, in order to provide advantageous tamping conditions, for each tamping unit (W1) two planes (1), which are mutually spaced at a track sleeper distance and are arranged on both sides of an associated carrier (4) perpendicularly to the tamping-unit longitudinal axis (L), span a working space (R), in which the oscillating levers (13) and tamping tool pairs (7, 8) describe movement paths by means of the tamping tine ends (10) during an oscillating feed movement (14), the envelope of which movement paths lies exclusively in the working space (R), and the linear oscillatory drives (2) of a tamping unit (W1) are disposed one over the other in an oscillation plane running perpendicularly to the planes (1) and are inclined with respect to the tamping-unit longitudinal axis (L) at least approximately in parallel with each other.

IPC 8 full level

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CPC (source: AT EP)

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