Title (en)

Ballast Tamping Machine and Method for Tamping a Railway Track

Title (de)

Maschine und Verfahren zum Unterstopfen von Schwellen eines Gleises

Title (fr)

Machine et procédé de bourrage de voies ferrées

Publication

EP 1403433 A3 20040526 (DE)

Application

EP 03450195 A 20030903

Priority

AT 6342002 U 20020925

Abstract (en)

[origin: US2004069180A1] A machine is configured for tamping a track composed of rails that are fastened to ties resting on ballast. The rails extend in a longitudinal direction and have a field side and a gauge side, respectively, and the ballast forms tie supports located on the field side and the gauge side. The machine has a centerline extending in the longitudinal direction and comprises tamping units mounted opposite one another transversely of the longitudinal direction, each tamping unit having four tamping tine pairs composed of tamping tines and squeeze drives. The tamping tine pairs are arranged one following the other in the longitudinal direction and positioned, alternating in the longitudinal direction, at a shorter distance from the centerline for tamping tie supports located on the gauge side of the rails, and at a longer distance from the centerline for tamping tie supports located at the field side of the rails.

IPC 1-7

E01B 27/17

IPC 8 full level

E01B 27/16 (2006.01); **B61D 15/00** (2006.01); **E01B 27/12** (2006.01); **E01B 27/17** (2006.01)

CPC (source: EP US)

E01B 27/17 (2013.01 - EP US)

Citation (search report)

- [DA] US 5706734 A 19980113 - THEURER JOSEF [AT]
- [A] EP 1070787 A1 20010124 - PLASSER BAHNBAUMASCH FRANZ [AT]
- [A] US 5617793 A 19970408 - THEURER JOSEF [AT]
- [A] US 4094251 A 19780613 - THEURER JOSEF

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

US 2004069180 A1 20040415; **US 6865991 B2 20050315**; AT 5839 U2 20021227; AT 5839 U3 20030925; AT E361394 T1 20070515; AU 2003246006 A1 20040408; AU 2003246006 B2 20081030; CN 1232699 C 20051221; CN 1493742 A 20040505; DE 50307162 D1 20070614; DK 1403433 T3 20070702; EP 1403433 A2 20040331; EP 1403433 A3 20040526; EP 1403433 B1 20070502; ES 2285082 T3 20071116; JP 2004116284 A 20040415; JP 4108582 B2 20080625; PL 209871 B1 20111031; PL 362364 A1 20040405; RU 2249644 C1 20050410; UA 80806 C2 20071112

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