

Title (en)
Method and tamping machine for the compaction of ballast of railway lines.

Title (de)
Verfahren und Stopfmaschine zum Verdichten des Schotters eines Gleises.

Title (fr)
Méthode et machine de compactage de ballast pour voies ferrées.

Publication
EP 0518845 B1 19950412 (DE)

Application
EP 92890105 A 19920506

Priority
• AT 18492 A 19920204
• AT 117891 A 19910612

Abstract (en)
[origin: US5205218A] A method for continuously consolidating ballast under a track comprising rails and sleepers which are arranged transversely to the rails by a machine having tamping picks, comprises causing the tamping picks to pick up the ballast in front of the sleeper ends and push the ballast under the sleeper ends by a cycle of shovel movements comprising a consolidating movement in a direction which is parallel to the sleepers, an upward movement occurring immediately in front of the sleeper end faces, and a return movement counter to the consolidating movement, and continuously causing the tamping picks to repeat the cycle of shovel movements. Desirably, a continuous forward movement is superimposed on the cycle of shovel movements.

IPC 1-7
E01B 27/16

IPC 8 full level
E01B 27/17 (2006.01); **E01B 27/16** (2006.01)

CPC (source: EP US)
E01B 27/16 (2013.01 - EP US)

Cited by
EA015919B1; CN105492693A; US2019271120A1; EA035735B1; US10829897B2; WO2017092840A1; WO2013179112A3; WO2009068139A1; US8240253B2; WO2020135973A1; EP2770108B1

Designated contracting state (EPC)
AT DE ES FR GB IT NL SE

DOCDB simple family (publication)
EP 0518845 A1 19921216; EP 0518845 B1 19950412; AT E121151 T1 19950415; AU 1814592 A 19921217; AU 643894 B2 19931125; CN 1032074 C 19960619; CN 1067694 A 19930106; CS 178492 A3 19921216; CZ 278674 B6 19940413; DE 59201879 D1 19950518; ES 2072132 T3 19950701; HU 217705 B 20000428; HU 9201949 D0 19920928; HU T62048 A 19930329; PL 172920 B1 19971231; PL 294844 A1 19921214; RU 2048630 C1 19951120; SK 280703 B6 20000612; US 5205218 A 19930427

DOCDB simple family (application)
EP 92890105 A 19920506; AT 92890105 T 19920506; AU 1814592 A 19920611; CN 92104607 A 19920610; CS 178492 A 19920611; DE 59201879 T 19920506; ES 92890105 T 19920506; HU 9201949 A 19920611; PL 29484492 A 19920610; SK 178492 A 19920611; SU 5011815 A 19920611; US 89590992 A 19920609