

Title (en)

Tamping machine for the compaction of railway ballast

Title (de)

Maschine zum Verdichten der Schotterbettung eines Gleises

Title (fr)

Machine de compactage de ballast pour voies ferrées

Publication

**EP 0616077 B1 19970813 (DE)**

Application

**EP 94890036 A 19940210**

Priority

AT 53293 A 19930317

Abstract (en)

[origin: EP0616077A1] A tamping machine (1) for the compaction of a railway (2) ballast consists of a machine frame (4), supported on rail running gear, and of a stabilisation assembly (9) connected to said machine frame so as to be adjustable in height. Said stabilisation assembly can be caused to oscillate horizontally as well as vertically with respect to the machine longitudinal direction by means of vibrators (15) and is designed to be able to travel on tracks via flanged rollers (11). The mutual distance of the flanged rollers (11) perpendicularly to the machine longitudinal direction can be varied by means of a spreading drive (13). The latter is designed as a multi-position cylinder comprising a first and a second cylinder tube (22, 23) arranged one behind the other in the axial direction and having respectively a first and a second, double-acting piston rod (24, 25). The latter is connected in an articulated fashion to an adjoining axle (26) of one of the flanged rollers (11) located opposite one another with respect to the axial direction. <IMAGE>

IPC 1-7

**E01B 27/13**

IPC 8 full level

**E01B 27/20** (2006.01); **E01B 27/13** (2006.01)

CPC (source: EP US)

**E01B 27/13** (2013.01 - EP US)

Cited by

WO2022008151A1; EP0748898A1

Designated contracting state (EPC)

AT CH DE FR GB IT LI NL SE

DOCDB simple family (publication)

**EP 0616077 A1 19940921; EP 0616077 B1 19970813**; AT E156880 T1 19970815; AU 5779694 A 19940922; AU 673577 B2 19961114; CN 1058310 C 20001108; CN 1092834 A 19940928; CZ 279540 B6 19950517; CZ 37994 A3 19950517; DE 59403690 D1 19970918; FI 108246 B 20011214; FI 941239 A0 19940316; FI 941239 A 19940918; HU 214571 B 19980428; HU 9400711 D0 19940628; HU T68012 A 19950529; JP 3267793 B2 20020325; JP H06299502 A 19941025; PL 173316 B1 19980227; RU 2071522 C1 19970110; SK 22494 A3 19950412; SK 280838 B6 20000814; US 5419259 A 19950530

DOCDB simple family (application)

**EP 94890036 A 19940210**; AT 94890036 T 19940210; AU 5779694 A 19940316; CN 94103146 A 19940316; CZ 37994 A 19940221; DE 59403690 T 19940210; FI 941239 A 19940316; HU 9400711 A 19940310; JP 4451794 A 19940316; PL 30247394 A 19940304; RU 94008754 A 19940317; SK 22494 A 19940225; US 20007094 A 19940222