

Title (en)  
Machine for stabilizing a railway track

Title (de)  
Maschine zum Stabilisieren eines Gleises

Title (fr)  
Machine pour l'assainissement d'une voie ferrée

Publication  
**EP 0748898 B1 19980715 (DE)**

Application  
**EP 96890080 A 19960506**

Priority  
AT 103595 A 19950616

Abstract (en)  
[origin: EP0748898A1] The machine is for a track comprising rails and sleepers, having a chassis (4) mounted on rail bogies (3). Two stabiliser units (9) one behind the other in the longitudinal direction roll along the track (2) and are attached to the chassis via height-adjusting drive mechanisms (8). Each of the stabiliser units has a vibrator (11) coupled to a drive mechanism (13) and generating vibrations at right-angles to the longitudinal direction of the machine. The vibrations generated are out of phase with each other, and the vibrators can be connected by mechanical coupling (12). Each vibrator can comprise two contra-rotating eccentric weights (15) on a horizontal axis (14) running in the longitudinal direction of the machine, and the vibrations generated in the horizontal plane can be 180 deg. out of phase.

IPC 1-7  
**E01B 27/13**

IPC 8 full level  
**E01B 29/00** (2006.01); **E01B 27/13** (2006.01); **E01B 27/20** (2006.01)

CPC (source: EP KR US)  
**E01B 27/13** (2013.01 - KR); **E01B 27/20** (2013.01 - EP US)

Cited by  
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AT BE CH DE DK ES FI FR GB IT LI NL SE

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**EP 0748898 A1 19961218; EP 0748898 B1 19980715**; AT E168428 T1 19980815; AU 5596996 A 19970102; AU 703277 B2 19990325; CA 2179142 A1 19961217; CA 2179142 C 20050802; CN 1083517 C 20020424; CN 1147584 A 19970416; CZ 153596 A3 19970115; CZ 285287 B6 19990616; DE 59600339 D1 19980820; DK 0748898 T3 19981116; ES 2121467 T3 19981116; IN 187026 B 20011229; JP 3746104 B2 20060215; JP H093803 A 19970107; KR 100379854 B1 20030602; KR 970001003 A 19970121; PL 180779 B1 20010430; PL 314405 A1 19961223; RU 2114233 C1 19980627; UA 42744 C2 20011115; US 5617794 A 19970408; ZA 965094 B 19970122

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