

Title (en)

MACHINE FOR STABILIZING A TRACK

Title (de)

MASCHINE ZUM STABILISIEREN EINES GLEISES

Title (fr)

MACHINE POUR LA STABILISATION D'UNE VOIE FERRÉE

Publication

**EP 3752675 A1 20201223 (DE)**

Application

**EP 19701584 A 20190114**

Priority

- EP 2019050767 W 20190114
- AT 362018 A 20180213

Abstract (en)

[origin: WO2019158288A1] The invention relates to a machine (1) for stabilizing a track (3), having a machine frame (6) supported on rail bogies (4) and a height-adjustable stabilization assembly (7) which is capable of rolling via assembly rollers (10) on rails (5) of the track (3) and which comprises an oscillation exciter (12) having rotating unbalanced masses (14) for generating an impact force (FS) acting dynamically in a track plane perpendicular to a longitudinal direction of the track (8) and a height drive (9) for generating a load acting on the track (3). The oscillation exciter (12) comprises at least two unbalanced masses (14) driven by a variably adjustable phase shift ( $\Delta\phi_1$ ,  $\Delta\phi_2$ ). The invention additionally relates to a method for operating a machine (1) of this kind.

IPC 8 full level

**E01B 27/20** (2006.01)

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**B06B 1/16** (2013.01 - AT); **B06B 1/161** (2013.01 - AT); **B06B 1/18** (2013.01 - AT); **E01B 27/20** (2013.01 - AT EP US); **E01B 2203/127** (2013.01 - AT US)

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**WO 2019158288 A1 20190822**; AT 16604 U1 20200215; CA 3088341 A1 20190822; CN 111670284 A 20200915; EA 039947 B1 20220331; EA 202000178 A1 20201027; EP 3752675 A1 20201223; EP 3752675 B1 20230719; EP 3752675 C0 20230719; JP 2021513621 A 20210527; PL 3752675 T3 20240226; US 11891761 B2 20240206; US 2021071369 A1 20210311

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