Title (en)

Method for converting a gravel track into a solid track

Title (de)

Verfahren zum Umbau eines Schottergleises in eine feste Fahrbahn

Title (fr)

Procédé de transformation d'une voie ballastée dans une voie de circulation fixe

Publication

EP 2740842 B1 20170927 (DE)

Application

EP 12196118 A 20121207

Priority

EP 12196118 A 20121207

Abstract (en)

[origin: EP2740842A1] The method involves removing ballast in a section (6) that is extended over several sleepers. Sleeper blocks (10) are inserted vertically and fastened to rails (5). An infill concrete (24) is filled in from the underground to height of the sleeper blocks after the infill concrete is hardened. Vertically adjustable support units are inserted on which the rails are resting and are supported on the underground. Support portions located between two respective sleeper blocks in the direction of the rails are removed. Independent claims are included for the following: (1) sleeper unit; and (2) support unit.

IPC 8 full level

E01B 1/00 (2006.01); **E01B 27/04** (2006.01); **E01B 27/06** (2006.01); E01B 29/06 (2006.01)

CPC (source: BR EP KR US)

E01B 1/001 (2013.01 - BR EP US); **E01B 1/004** (2013.01 - BR); **E01B 2/00** (2013.01 - BR); **E01B 27/04** (2013.01 - US); **E01B 29/00** (2013.01 - EP US); **E01B 29/005** (2013.01 - BR US); **E01B 29/02** (2013.01 - KR); **E01B 29/06** (2013.01 - US); **E01B 29/10** (2013.01 - US)

Cited by

CN111827022A; CN109468892A; CN106283978A; CN113123235A; CN109468893A; CN112982044A; CN111886383A

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

EP 2740842 A1 20140611; **EP 2740842 B1 20170927**; AR 093853 A1 20150624; BR 102013031183 A2 20140916; BR 102013031183 B1 20201229; CA 2834100 A1 20140607; DK 2740842 T3 20180108; ES 2649963 T3 20180116; IL 229620 A0 20140331; IL 229620 B 20180531; KR 102164162 B1 20201013; KR 20140074244 A 20140617; PL 2740842 T3 20180430; RU 2013154075 A 20150620; RU 2641572 C2 20180118; SG 2013088653 A 20140730; US 2014158785 A1 20140612; US 9260821 B2 20160216

DOCDB simple family (application)

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