

Title (en)

Railway track with sleepers on continuous concrete slab and manufacturing method

Title (de)

Eisenbahnstrecke mit Schwellen auf einer durchgehenden Betonplatte und entsprechendes Herstellungsverfahren

Title (fr)

Voie de chemin de fer avec traverses sur dalle en béton continu et procédé de fabrication

Publication

EP 2666907 B1 20171129 (FR)

Application

EP 13305669 A 20130523

Priority

FR 1254731 A 20120523

Abstract (en)

[origin: EP2666907A1] The track (1) has a set of rails (2) that is fixed on cross-pieces (4) e.g. concrete cross-pieces, by a set of fasteners (3). A U-shaped slab (5) is made of reinforced concrete, where the slab comprises two side wings (13). A polymerized resin layer (9) is attached to the cross-pieces on the bottom of the slab. An unpolymerized fluid resin is injected under each cross piece. The polymerized resin layer is flexible and presents a certain flexibility to form a lower shock absorber between the cross-pieces and the slab. A fill material is placed between the cross-pieces. An independent claim is also included for a method for manufacturing a railway track.

IPC 8 full level

E01B 1/00 (2006.01)

CPC (source: EP)

E01B 1/002 (2013.01); **E01B 1/008** (2013.01)

Cited by

CN104195890A; CN103790078A; CN108842521A; CN105839476A; CN108894062A; CN108923344A; EP3067464A1; FR3033578A1

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