

Title (en)

Process for obtaining a superstructure for railway tracks

Title (de)

Verfahren zur Herstellung eines Oberbaus für Eisenbahngleise

Title (fr)

Procédé d'obtention d'une superstructure de voies ferrées

Publication

**EP 0663470 B1 19970326 (DE)**

Application

**EP 94120161 A 19941220**

Priority

- DE 4401260 A 19940118
- DE 4439894 A 19941108

Abstract (en)

[origin: EP0663470A1] The structure of a railway permanent way, esp. for high speed rail traffic and heavy loadings, has a concrete trough (2) below the rails (3) of a reinforced concrete material. It has two laying surfaces (5) for the sleepers, projecting over the sole surface plane of the trough (2). When the track has been aligned, the hollow zones are filled with a compressed ballast (9) together with a mortar suspension (14), to give a rigid ballast bed (9a). Pref. the concrete trough (2) has a min. concrete rating of B 25. The sleeper support surfaces (5) have a defined laying surface, at least 20 mm over the sole surface plane. A barrier agent (10) is a sprayed material such as bitumen, at the inner surface (2a) of the trough (2) to prevent durable adhesion contact between the mortar suspension (14), or it is a thin polyethylene film which allows force transmission between the ballast bed (9a) and the inner surface (2a) of the concrete trough (2).

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**E01B 1/00**

IPC 8 full level

**E01B 1/00** (2006.01); **E01B 29/00** (2006.01)

CPC (source: EP)

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Cited by

EP2666907A1; DE19625249C2; DE19755602A1; DE19741020A1; DE19707296C2; DE10325166A1; DE10325166B4; CN108103853A; DE102017117623A1; CN102966008A; GB2513983A; GB2513983B; FR2990964A1; US9758932B2; US7975932B2; WO9914434A1; WO2013029530A1

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