

Title (en)
Ballastless railway track structure for rail vehicles

Title (de)
Feste Fahrbahn für schienengebundene Fahrzeuge

Title (fr)
Voie sans ballast pour véhicules ferroviaires

Publication
EP 2623670 A3 20150902 (DE)

Application
EP 13000562 A 20130204

Priority
DE 102012100892 A 20120203

Abstract (en)
[origin: EP2623670A2] The track structure (1) has sub-cast layer (3) made of self-compacting concrete, which is formed between support layer (4) and prefabricated panels (2) separated by intervening gaps. The V-shaped reinforcing elements (5) are projected from underside of panels. The bar-shaped reinforcing elements (7,7') are extended in longitudinal direction of panel. The reinforcing elements are embedded in sub-cast layer in longitudinal direction of panel, so that track support plate is formed by attaching sub-cast layer together with panels.

IPC 8 full level
E01B 1/00 (2006.01)

CPC (source: EP)
E01B 1/004 (2013.01)

Citation (search report)

- [I] CN 201648876 U 20101124 - CHINA RAILWAY ERYUAN ENG GROUP, et al
- [A] DE 102008001438 A1 20091029 - ZUEBLIN AG [DE]

Cited by
CN105484113A; CN104264533A; CN105874125A; CN108867201A; CN103790083A; CN110066444A; CN114000379A; CN110593017A; CN113089392A

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2623670 A2 20130807; EP 2623670 A3 20150902; EP 2623670 B1 20180103

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EP 13000562 A 20130204