Title (en)

Ballastless track superstructure with prefabricated concrete slabs and process for their replacement

Title (de)

Schotterloser Oberbau mit vorgefertigten Betontragplatten sowie Verfahren zum Ersatz derselben

Title (fr)

Superstructure de voie sans ballast à dalles de béton préfabriquées et procédé pour leur remplacement

Publication

EP 1045069 A3 20010801 (DE)

Application

EP 00890109 A 20000405

Priority

AT 65299 A 19990413

Abstract (en)

[origin: EP1045069A2] The ballastless superstructure is for a railway track and employs prefabricated concrete plates (1a), which in thee superstructure longitudinal direction have a greater extent than that crossways. The plates have at least two, particularly symmetrically arranged recesses extending from top to bottom, which are particularly rectangular and are downwardly open. Differ length sides are provided, the longer sides extending in the longitudinal direction of the superstructure. At least two adjacent concrete support plates (1a) at least on their face sides beneath the rail foot have different thicknesses and the mortar (6,6a) beneath the support plate with the lesser thickness is at least formed in two layers. The upper layer exte to the area of the seam and a lower layer directly next to the ground extends beneath the support plates of different thicknesse

IPC 1-7

E01B 1/00

IPC 8 full level

E01B 1/00 (2006.01)

CPC (source: EP)

E01B 1/004 (2013.01); E01B 1/005 (2013.01)

Citation (search report)

- [DA] AT 390976 B 19900725 - PORR ALLG BAUGES [AT]
- [A] EP 1039030 A1 20000927 - PORR ALLG BAUGES [AT]

Cited by

CN115387164A; CN110725160A; EP1231323A3; CN111155369A; EP1972719A1; ES2334413A1; WO2005098136A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 1045069 A2 20001018; EP 1045069 A3 20010801; AT 409641 B 20020925; AT A65299 A 20020215; HR P20000210 A2 20010430; HR P20000210 B1 20090831; HU 0001370 D0 20000628; HU 221891 B1 20030228; HU P0001370 A2 20010129; HU P0001370 A3 20010228; PL 200575 B1 20090130; PL 339610 A1 20001023; SK 5252000 A3 20001107

DOCDB simple family (application)

EP 00890109 A 20000405; AT 65299 A 19990413; HR P20000210 A 20000412; HU P0001370 A 20000403; PL 33961000 A 20000412; SK 5252000 A 20000411