

Title (en)

BALLASTLESS SUPERSTRUCTURE FOR RAILBORNE TRAFFIC

Title (de)

SCHOTTERLOSER OBERBAU FÜR DEN SCHIENENGEBUNDENEN VERKEHR

Title (fr)

SUPERSTRUCTURE SANS BALLAST POUR TRAFIC FERROVIAIRE

Publication

**EP 1733094 B1 20081210 (DE)**

Application

**EP 05714195 A 20050401**

Priority

- AT 2005000114 W 20050401
- AT 6242004 A 20040408

Abstract (en)

[origin: WO2005098136A1] Disclosed is a ballastless superstructure for railborne traffic, comprising prefabricated concrete support plates (1, 1a) which support at least two rails (4), have a greater length in the longitudinal direction of the rail than in the direction extending perpendicular thereto, and are provided with at least two rectangular continuous recesses (2, 2a) that are open towards the ground. Said support plates rest on a foundation (13, 14), e.g. a concrete foundation, via a rubber-elastic layer composed of rubber granulate that is bonded by means of a rubber-elastic bonding agent and via a casting compound (12) containing hydraulic and latently hydraulic bonding agent. The rubber-elastic layer (15) is leveled with the aid of a pasty separating agent (20), especially paraffin, on one or several surfaces (16, 17) facing the casting compound while the recesses (2, 2a) taper in an upward direction.

IPC 8 full level

**E01B 1/00** (2006.01)

CPC (source: EP)

**E01B 1/004** (2013.01)

Cited by

CN113818289A; WO2017121044A1; CN105625104A; EP3404142A4

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DOCDB simple family (publication)

**WO 2005098136 A1 20051020**; AT 413552 B 20060315; AT A6242004 A 20050815; AT E417152 T1 20081215; DE 502005006209 D1 20090122; EP 1733094 A1 20061220; EP 1733094 B1 20081210; PL 1733094 T3 20090529; RS 50988 B 20101031; SI 1733094 T1 20090630

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