

Title (en)
Ballastless track superstructure for at least one railway track

Title (de)
Schotterloses Oberbausystem für zumindest ein Eisenbahngleis

Title (fr)
Superstructure de voie sans ballast pour au moins une voie ferrée

Publication
EP 0715021 B1 19981007 (DE)

Application
EP 95117016 A 19951028

Priority
DE 4442497 A 19941130

Abstract (en)
[origin: EP0715021A1] The system includes a concrete track plate which consists of two layers formed one on the other, and between which is located a reinforcement made of reinforcing rods which run in the track direction and at right angles to it. The concrete of the layers of the track plate is materially bonded into the reinforcement mesh. The retaining units are constructed as rail support point elements which are connected into the upper layer of the concrete track plate and are anchored in both layers by reinforcing components.

IPC 1-7
E01B 1/00; **E01B 3/40**

IPC 8 full level
E01B 3/38 (2006.01); **E01B 1/00** (2006.01); **E01B 2/00** (2006.01); **E01B 3/40** (2006.01); **E01B 9/38** (2006.01); **E01B 19/00** (2006.01); **E01B 29/00** (2006.01)

CPC (source: EP)
E01B 1/002 (2013.01); **E01B 3/40** (2013.01); **E01B 29/005** (2013.01); **E01B 2204/06** (2013.01); **E01B 2204/09** (2013.01); **E01B 2204/10** (2013.01)

Cited by
EP0905319A3; EP0980931A1; EP1026320A1; CN103952953A; EP1310594A1; FR2831897A1; AU2002301663B2; KR100923829B1; US6954974B2; WO2010069586A1; FR2776683A1; US7850089B2; WO2010074569A2; WO2006111131A1

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB IT LI NL

DOCDB simple family (publication)
EP 0715021 A1 19960605; **EP 0715021 B1 19981007**; AT E171987 T1 19981015; CN 1133373 A 19961016; CZ 312995 A3 19960612; DE 4442497 A1 19960613; DE 4442497 C2 19970417; DE 59503849 D1 19981112; ES 2122421 T3 19981216; PL 177930 B1 20000131; PL 311511 A1 19960610

DOCDB simple family (application)
EP 95117016 A 19951028; AT 95117016 T 19951028; CN 95120039 A 19951129; CZ 312995 A 19951127; DE 4442497 A 19941130; DE 59503849 T 19951028; ES 95117016 T 19951028; PL 31151195 A 19951128