

Title (en)
Support structure for a railway track section

Title (de)
Lagerung für einen Gleisabschnitt

Title (fr)
Structure de support pour une section de voie ferrée

Publication
EP 1041201 B1 20060621 (DE)

Application
EP 00106190 A 20000322

Priority
DE 19914822 A 19990401

Abstract (en)
[origin: EP1041201A2] The system incorporates a bed plate (14) and an intermediate layer (30) of elastic material, e.g. polyurethane elastomer, on the sleepers etc. An intermediate plate (32) is positioned between bed plate and elastic layer, to transfer the load from the bed plate to the elastic layer. The size of the intermediate plate is mainly independent of load-transferring surfaces of the bed plate facing the intermediate elastic layer. The intermediate plate is of rigid plastic or metal plate. It has a load transfer area of pref. 400cm² and/or the metal has a thickness of pref. 2-5mm. A plastic plate has a rigidity of more than 100kN/mm and a thickness of pref. 2-5mm.

IPC 8 full level
E01B 9/48 (2006.01); **E01B 9/38** (2006.01); **E01B 9/68** (2006.01)

CPC (source: EP)
E01B 9/686 (2013.01); **E01B 9/681** (2013.01)

Cited by
CN111764202A; EP1662046A1; EP1310594A1; FR2831897A1; AU2002301663B2; US6954974B2

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 1041201 A2 20001004; EP 1041201 A3 20020522; EP 1041201 B1 20060621; AT E331081 T1 20060715; DE 19914822 A1 20001005; DE 50013014 D1 20060803; ES 2267427 T3 20070316

DOCDB simple family (application)
EP 00106190 A 20000322; AT 00106190 T 20000322; DE 19914822 A 19990401; DE 50013014 T 20000322; ES 00106190 T 20000322