

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. 400cm<sup>2</sup> 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

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