

Title (en)  
Sleeper with bottom coating

Title (de)  
Bahnschwelle mit unterseitiger Beschichtung

Title (fr)  
Traverse avec revêtement sur le dessous

Publication  
**EP 1298252 B2 20110601 (DE)**

Application  
**EP 02022017 A 20021001**

Priority  
• DE 10149308 A 20011001  
• DE 10156411 A 20011116

Abstract (en)  
[origin: EP1298252A2] A railway track has rails resting on a concrete bed (12) ('railway sleepers'). The concrete bed is separated from an underlying elastic plastic layer (14) by esp. a 3-10 mm-thick layer (16) of random fibres pref. 'Geofibre' textile. The Geotextile layer is bonded both to the concrete and elastic plastic layer (14).

IPC 8 full level  
**E01B 3/46** (2006.01); **E01B 19/00** (2006.01)

CPC (source: EP)  
**E01B 3/46** (2013.01)

Cited by  
WO2012139143A1; WO2019201761A1; WO2011110669A1; EP1445378A3; CN102906335A; BE1020135A3; JP2007051457A; RU2762015C1; WO2012139142A1; US7896255B2; DE102015205484A1; WO2017125541A1; WO2013068259A1; WO2014110608A1; WO2012122610A2; WO2012040798A1; WO2012122610A3

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

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**EP 1298252 A2 20030402; EP 1298252 A3 20040121; EP 1298252 B1 20060607; EP 1298252 B2 20110601**; AT E329087 T1 20060615; DE 20215101 U1 20030227; DE 50207081 D1 20060720; DK 1298252 T3 20061009; DK 1298252 T4 20110905; ES 2266378 T3 20070301; ES 2266378 T5 20110926; PT 1298252 E 20061031

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