

Title (en)  
ELECTRICALLY INSULATING RAIL SYSTEM

Title (de)  
ELEKTRISCH ISOLIERENDE SCHIENENANORDNUNG

Title (fr)  
SYSTEME DE RAIL A ISOLATION ELECTRIQUE

Publication  
**EP 1121491 B1 20040526 (DE)**

Application  
**EP 99957862 A 19991006**

Priority  
• DE 9903217 W 19991006  
• DE 19847790 A 19981016

Abstract (en)  
[origin: DE19947931A1] The rail system incorporating a filler elements (6, 7) which are adapted to the rail profile, completely fill the joint space, and are provided with electrically insulating layers (8, 9).

IPC 1-7  
**E01B 21/04**

IPC 8 full level  
**E01B 9/62** (2006.01); **E01B 21/04** (2006.01); **E01B 9/68** (2006.01); **E01B 19/00** (2006.01); **E01B 21/02** (2006.01); **E01B 29/32** (2006.01)

CPC (source: EP US)  
**E01B 9/62** (2013.01 - EP US); **E01B 9/68** (2013.01 - EP US); **E01B 9/686** (2013.01 - EP US); **E01B 19/003** (2013.01 - EP US);  
**E01B 21/02** (2013.01 - EP US); **E01B 29/32** (2013.01 - EP US); **E01B 9/685** (2013.01 - EP US); **E01B 2204/11** (2013.01 - EP US);  
**E01B 2205/00** (2013.01 - EP US)

Cited by  
DE102013011451A1; EP2333155A3; EP1813723A1; DE102013011451B4

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AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

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**US 6471138 B1 20021029**; AT E267915 T1 20040615; DE 19947931 A1 20000420; DE 59909614 D1 20040701; EP 1121491 A1 20010808;  
EP 1121491 B1 20040526; ES 2220129 T3 20041201; HU 223157 B1 20040329; HU P0103277 A2 20020128; HU P0103277 A3 20020328;  
PL 347314 A1 20020325; PT 1121491 E 20041029; RU 2231589 C2 20040627; WO 0023652 A1 20000427

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RU 2001113273 A 19991006