

Title (en)  
Concrete sleeper and sleeper shoe

Title (de)  
Betonschwelle mit Auskleideschuh für Eisenbahnschienen

Title (fr)  
Traverse en beton et son chausson

Publication  
**EP 1006239 B1 20060712 (DE)**

Application  
**EP 99811070 A 19991119**

Priority  
CH 241598 A 19981204

Abstract (en)  
[origin: EP1006239A1] The concrete body (1) of the railway sleeper functions with a rubber cladding shoe (6) and has an upper horizontal surface on which at least one rail supports. In the body is a drainage gutter (14) with an upwardly facing groove (15), in which the upper edge (8) of the cladding shoe extends. An intermediate space (16) opposite to the outside of the groove (15) remains free. The groove has braced-apart sidewalls (17,18) which form a downwardly facing V-shaped groove. The cladding shoe has an upper edge with parallel running walls, which extend over a section in the groove in the concrete body.

IPC 8 full level  
**E01B 3/28** (2006.01); **E01B 1/00** (2006.01)

CPC (source: EP)  
**E01B 1/005** (2013.01); **E01B 1/008** (2013.01); **E01B 3/28** (2013.01); **E01B 2204/01** (2013.01)

Cited by  
CN107109805A; RU186427U1; EP2778284A1; RU2666992C2; US9752285B2; WO2014139898A1

Designated contracting state (EPC)  
AT CH IT LI

DOCDB simple family (publication)  
**EP 1006239 A1 20000607; EP 1006239 B1 20060712**; AT E333004 T1 20060815; CH 693509 A5 20030915

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