

Title (en)
Track bed partly injected with foam

Title (de)
Teilverschäumter Gleisoberbau

Title (fr)
Assiette de voie partiellement injectée avec une mousse

Publication
EP 1619305 A3 20060906 (DE)

Application
EP 05106393 A 20050713

Priority
• EP 04017427 A 20040723
• EP 05106393 A 20050713

Abstract (en)
[origin: EP1619305A2] The railway track superstructure is located on a base surface (12) and is inclined crossways to the track extent with ballast comprising individual stones (18). Sleepers (20) are embedded in the ballast and rails (24) are fixed to them. Beneath the sleepers the ballast has load absorption areas (26), which when there is train movement on the rails take up loads acting vertically on the ballast and on the base surface beneath the ballast. The hollow spaces between the ballast stones within the load absorption areas are filled with a foam material (28), particularly polyurethane and between the ballast and the base surface an elastic drainage layer (14) is arranged.

IPC 8 full level
E01B 1/00 (2006.01); **E01B 27/18** (2006.01)

CPC (source: EP)
E01B 1/001 (2013.01); **E01B 1/008** (2013.01); **E01B 27/18** (2013.01); **E01B 2204/03** (2013.01)

Citation (search report)
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• [DA] DE 2063727 A1 19720824
• [A] WO 9428247 A1 19941208 - KOCH MARMORIT GMBH [DE], et al
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AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

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