

Title (en)

Concrete sleeper sole for high speed rail track

Title (de)

Betonschwellensohle für ein Hochgeschwindigkeitsgleis

Title (fr)

Patin de traverse en béton pour voie ferrée à grande vitesse

Publication

EP 1186709 A3 20020703 (EN)

Application

EP 01500219 A 20010824

Priority

ES 200002236 A 20000912

Abstract (en)

[origin: EP1186709A2] The sole is fixed to the concrete sleeper (2) by means of a series of linear, continuous, parallel and equidistant projections (3), arranged longitudinally on the underside (4) of the sole (1) which is applied on the base (5) of the sleeper (2). The respective centre planes of said projections (3) for fixing are orthogonal to said underside (4), and, their transversal sections (6) take the form of a double harpoon which prevents the detachment of the sole (1), with respect to the sleeper (2), with the particularity that the edges (7) or outermost projections (3) are separated from the rims (8) of the base of the sleeper (2). Said sole constitutes a supporting bed for the concrete sleepers (2) employed in high speed railway lines, said supporting bed proving effective for reducing the settlement and the friction of the ballast, and also the disorder from vibration in the latter and the and the deterioration of the geometry of the line. <IMAGE>

IPC 1-7

E01B 3/42; **E01B 3/28**

IPC 8 full level

E01B 3/42 (2006.01); **E01B 19/00** (2006.01)

CPC (source: EP)

E01B 3/42 (2013.01); **E01B 3/46** (2013.01); **E01B 19/003** (2013.01); **E01B 2204/01** (2013.01)

Citation (search report)

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- [A] EP 0733738 B1 20000628 - VAGNEUX TRAVERSES BETON [FR]
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