

Title (en)
Sleeper shoe for ballastless track structure

Title (de)
Schwellenschuh für schotterlosen Gleisoberbau

Title (fr)
Chausson pour traverse de voie de chemin de fer sans ballast

Publication
EP 0773323 A1 19970514 (FR)

Application
EP 96402365 A 19961107

Priority
FR 9513260 A 19951109

Abstract (en)
The sleeper boot consists of an elastically deformable shell (1) to receive the sleeper (T). The shell is sloping inwards at the bottom and contains a sole (2) on which the sleeper rests. The lower part of the shell has recesses (10) in its inner wall which ensure a flexibility on compression even after the wall has been deformed as a result of hydrostatic pressure from the concrete bed (B). The boot's inner recesses are made in the wall to a height corresponding to the thickness of the sole plus the height (t) of a chamfered lower edge on the sleeper. At their lower ends, the recesses extend beneath the edge of the sole. In between the recesses the inner wall of the boot is made with a series of reinforcing ribs.

Abstract (fr)
Chausson pour traverse (T) de voie de chemin de fer sans ballast destiné à être immobilisé dans un lit de béton (B) comprenant, d'une part, une enveloppe (1) élastiquement déformable recevant ladite traverse (T) dont le pourtour inférieur est chanfreiné et, d'autre part, une semelle (2) reposant sous la traverse (T) dans le fond (12) de ladite enveloppe (11) caractérisé en ce que la partie inférieure de ladite enveloppe (1) comporte, sur sa paroi interne, des évidements (10) lui garantissant une souplesse en compression même après déformation de ladite paroi sous l'effet de la pression hydrostatique du lit de béton (B). <IMAGE>

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E01B 1/00 (2006.01)

CPC (source: EP US)
E01B 1/005 (2013.01 - EP US); **E01B 2204/01** (2013.01 - EP US)

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• [YA] US 4609144 A 19860902 - HARMSSEN JOHN L [US]
• [Y] FR 2648489 A1 19901221 - ALLEVARD IND SA [FR]

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