

Title (en)  
RAIL SYSTEM

Title (de)  
SCHIENENANORDNUNG

Title (fr)  
SYSTEME DE RAILS

Publication  
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Application  
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Abstract (en)  
[origin: US6283383B1] The invention relates to a rail system (1) comprising a line of rails with fixations, cross ties (wood, concrete, etc.), an infrastructure (2) on which the cross ties are laid, as well as an elastomeric cross tie shoe, whose sidewall (7), which tapers upward, entirely or partially surrounds the cross tie, the inner sidewall being in the form of a flexible lip (9) sealingly laid against said cross tie (2); besides, between the bottom of the cross tie shoe (13) and the cross tie underside (2) is inserted an elastic intermediate layer (5). The rail system according to the invention (1) is characterized in that the sidewall (7) of the cross tie shoe (4) presents on its inner face (8) a pattern of ribs and grooves and that the elastic intermediate layer (5) is provided with extruded-like channels (6, 6', 6'') located virtually in the same plane as that in which two geometries of alternating channels appear.

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