

Title (en)  
SOUND INSULATING RAIL SUPPORT

Publication  
**EP 0236703 A3 19880713 (DE)**

Application  
**EP 87100890 A 19870123**

Priority  
DE 3608115 A 19860312

Abstract (en)  
[origin: EP0236703A2] 1. Rail bearing, which attenuates sound conducted through solids, for rail vehicles, in which the rails rest on sleepers, metal plates or the like, which bear by way of elastic intermediate layers, such as rubber plates, rubber-to-metal bearing or the like, which are arranged set obliquely at their circumference, against bearing frames connected with the foundation, and where in a further elastic intermediate layer is arranged underneath the sleepers or the like and rests against either only the sleepers or the like or only the foundation so that a spacing is present between either the further elastic intermediate layer and the sleepers or the like or between the further elastic intermediate layer and the foundation, characterised thereby, that the obliquely set elastic intermediate layers (3) are so dimensioned that their maximum stroke is achieved already on normal loading of the rail bearing, which is exerted by a normally laden rail vehicle, and that either the spacing (A2) between the further elastic intermediate layer (6) and the sleepers (2) or the spacing (A4) between the further elastic intermediate layer (6) and the foundation (4) is so dimensioned that it assumes the zero value on reacting the normal loading of the rail bearing, so that the further elastic intermediate layer (6) contributes to the support of the sleepers or the like already when a rail vehicle with slightly greater than the normal loading travels over the rail bearing.

IPC 1-7  
**E01B 1/00**; **E01B 9/68**

IPC 8 full level  
**E01B 1/00** (2006.01); **E01B 9/68** (2006.01)

CPC (source: EP)  
**E01B 9/62** (2013.01); **E01B 9/686** (2013.01); **E01B 1/002** (2013.01); **E01B 2204/01** (2013.01); **E01B 2204/12** (2013.01)

Citation (search report)  
• [AD] DE 2828713 A1 19800110 - CLOUTH GUMMIWERKE AG  
• [A] DE 2933541 A1 19810326 - CLOUTH GUMMIWERKE AG  
• [A] DE 2006071 B  
• [A] CH 303959 A 19541231 - SIDERVIA S A [LI]  
• [A] DE 7718527 U1 19771006

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