

Title (en)  
HIGH-SPEED SUSPENSION RAILWAY SYSTEM (HSS), IN PARTICULAR OVERHEAD RAILWAY (ÜTB) TRACTION CARRIAGES INTER ALIA

Title (de)  
HOCHGESCHWINDIGKEITS-SCHWEBEBAHN-SYSTEM (HSS), INSBES. ÜBERTRASSENBAHN (ÜTB) ZUGWAGEN U.A.

Title (fr)  
SYSTEME DE CHEMIN DE FER SUSPENDU A GRANDE VITESSE (HSS), EN PARTICULIER, CHARIOT DE TRACTION POUR TRAIN SURELEVE (ÜTB)

Publication  
**EP 0801614 A1 19971022 (DE)**

Application  
**EP 96939858 A 19961120**

Priority  
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• EP 9605111 W 19961120

Abstract (en)  
[origin: WO9720720A1] The invention relates to a high-speed suspension railway system, in particular an overhead railway. The former, valid, technical taboo of aerial ropeway constructors, that aerial ropeways are not surface transportation means, has been broken. Although the bearing structure, as in a conventional aerial ropeway, comprises stays and a carrying rope mounted thereon, the traction carriages bearing the cars are self-propelling and do not travel on the carrying rope but on a component rail. Said component rail is suspended on the carrying rope by shrouds and axially fixed by tension levers, according to the invention, the upper section thereof being connected by tension shrouds to an upper tensioning rope and the lower section thereof by tension shrouds across a bearing spar to a lower tensioning rope. Said carrying structure which absorbs torsional forces during cornering by way of twists is the rigging. The component rail is rigid and, in a preferred embodiment, is designed in such a manner that one section of the rail of approximately 10 m can carry at least a load of 10 tonnes (the weight of a full car).

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IPC 8 full level  
**B61B 7/06** (2006.01); **E01B 25/22** (2006.01)

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**B61B 7/06** (2013.01); **E01B 25/22** (2013.01); **Y02T 30/00** (2013.01)

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