

Title (en)

Suspension device in a bogie for a railbound vehicle.

Title (de)

Suspensionseinrichtung in einem Drehgestell für ein Schienenfahrzeug.

Title (fr)

Dispositif de suspension dans un bogie pour véhicule ferroviaire.

Publication

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Application

EP 85114641 A 19851118

Priority

SE 8405891 A 19841122

Abstract (en)

Suspension device in a bogie for a railbound vehicle, especially for freight cars. To obtain good ride properties both under empty load and full load conditions, a progressive suspension unit (22) is proposed, the stiffness of which increases exponentially with the load. According to the invention, the suspension unit (22) comprises two essentially cup-shaped elements, one (28) mounted under the bolster beam (30) and friction wedge dampers (32,34) and the other (26) mounted on top of the underhung U-bracket (20). Between these cup-shaped element an essentially spherical or semi-spherical elastic body (24) of rubber or an equivalent material is sandwiched. In alternative embodiments of the invention the lower cup-shaped element (26) is dispensed with by the elastic body (24) directly resting on a shaped portion of the underhung U-bracket (38 or 40), which performs the same function as the eliminated lower cup-shaped element (26). The cup-shaped elements (26, 28) are formed so as to control the shape of the elastic body (24) during its compression to obtain a progressive spring characteristic both in the vertical and in the lateral direction.

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IPC 8 full level

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CPC (source: EP)

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Citation (search report)

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