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[54] VIBRATION-ISOLATING DEVICE FOR SUSPENSION OF TRACKED VEHICLE 履帶車輛懸架隔振裝置

[57] The present application provides a vibration-isolating device for a suspension of a tracked vehicle, including: a connecting mechanism configured to be fixedly connected with a body bracket of the tracked vehicle, a horizontal elastic member configured to provide rigidity and damping, and a linkage mechanism configured to adjust the rigidity and damping. The linkage mechanism is connected between a track wheel of the tracked vehicle and the connecting mechanism, and the horizontal elastic member is arranged at the link mechanism. The vibration-isolating device for the suspension of the tracked vehicle provided by the present application has adjustable rigidity and damping, can be used on different road surfaces, and has wide application range. Moreover, the present application achieves the adjustment of the overall rigidity and damping by cooperation of the linkage mechanism and the horizontal elastic member. Compared with those only adopts elastic members to connected with the track wheel and the body track in the prior art, the present application has better bearing capacity and stability, and the vibration isolation effect is obviously improved.

本實用新型提供了一種履帶車輛懸架隔振裝置，包括用於與履帶車輛的車身支架連接固定的連接機構、用於提供剛度與阻尼的水平彈性件，以及用於調節所述剛度與阻尼大小的連杆機構，所述連杆機構連接在所述履帶車輛的履帶輪和所述連接機構之間，所述水平彈性件設於所述連杆機構上。本實用新型提供的履帶車輛懸架隔振裝置具有可調節的剛度與阻尼大小，可以在不同的路面下使用，適用範圍廣，且本實用新型通過連杆機構與水平彈性件的配合實現整體剛度與阻尼特性的調節，相對於現有技術中僅通過設置彈性件來連接履帶輪與車身支架來說，本實用新型具有更好的承載能力和穩定性，隔振效果得到明顯改進。

