

Title (en)

LOCKING DEVICE FOR VEHICLES, WITH AN OVERLOAD BLOCKING MECHANISM

Title (de)

EINE ÜBERLASTSPERRE AUFWEISENDE VERSCHLUSSVORRICHTUNG FÜR FAHRZEUGE

Title (fr)

DISPOSITIF DE FERMETURE A CLIQUET ANTI-SURCHARGE POUR VEHICULES

Publication

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Application

EP 01938044 A 20010324

Priority

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Abstract (en)

[origin: WO0173246A1] The inventive locking device has an overload blocking mechanism comprising a spring-loaded radial slider (60) and locking means. The overload blocking mechanism is intended to prevent damage to the inner components in the event that a tool for breaking in is inserted in a rotor (10) instead of a key and turned with force. The rotor (10) is rotationally mounted in a sleeve (20) and the sleeve (20) is positioned in a stationary housing (30). Under normal circumstances, the radial slider (60) is used to transmit the key actuation of the rotor (10) to a carrier, which interacts with the lock mechanisms. In order to obtain a space-saving embodiment, the invention provides that a spring mechanism (51) belonging to the overload blocking mechanism is connected to the sleeve (20) in a rotationally fixed manner. Under normal circumstances, said spring mechanism (51) engages in an outer radial extension (32) as a result of being spring-loaded, but is lifted out of said radial extension in the free-running mode. The spring mechanism (51) hereby performs a radial stroke, which is used to steer the radial slider (60) out of its coupling position and into its decoupling position.

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