

Title (en)

LOCKING DEVICE FOR FUNCTIONS WHICH CAN BE CARRIED OUT IN PARTICULAR ON VEHICLES

Title (de)

SCHLIESSVORRICHTUNG FÜR INSBESONDERE AN FAHRZEUGEN VOLLZIEHBARE FUNKTIONEN

Title (fr)

DISPOSITIF DE FERMETURE, EN PARTICULIER POUR DES FONCTIONS QUI PEUVENT ETRE EXECUTEES SUR DES VEHICULES

Publication

EP 1974114 B1 20100616 (DE)

Application

EP 06818618 A 20061117

Priority

- EP 2006011039 W 20061117
- DE 102006002538 A 20060118

Abstract (en)

[origin: US2010095721A1] A locking device contains a locking cylinder with a freewheeling sleeve (11), cylinder core and tumblers (27). The cylinder core can be rotated by a matching key because the tumblers (27) which lock the cylinder core release the freewheeling sleeve (11) when the key is removed. The freewheeling sleeve (11) is mounted rotationally in a housing (18) and is fixed in a defined rotational position by a latching element in the housing (18), which latching element is loaded (34) radially by a spring element. Upon forcible rotations of the cylinder core, which characterize an overloading situation, the latching element releases the freewheeling sleeve (11). An output element which brings about the desired functions in the vehicle is also located in the housing, as is, furthermore, a coupling element which is rotationally fixed to the output element, is under a radial resetting force and can be displaced radially. In the normal situation, the coupling element is coupled to the cylinder core, but is decoupled in the overloading situation. For a reasonably priced, space-saving design, it is proposed to form the spring element and the latching element as a premanufactured, compact constructional unit (31, 32). The constructional unit (31, 32) is arranged in a chamber (25) of the housing (18) and forms an insert which is handled as one during installation and removal.

IPC 8 full level

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CPC (source: EP US)

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