

Title (en)

Storage device with safety function.

Title (de)

Bewahrungsvorrichtung mit einer Sicherheitsfunktion.

Title (fr)

Dispositif de rangement avec une fonction de sécurité.

Publication

**EP 0610882 A2 19940817 (EN)**

Application

**EP 94101891 A 19940208**

Priority

- JP 938993 U 19930212
- JP 4607193 A 19930212

Abstract (en)

A storage device includes a cam member (1) rotatably disposed on a housing (H) side, a pin member (P) disposed on a storage cabinet (B) side, a lock part (4) and a guide outlet (5) formed so as to be mutually separated on one edge side defining a cam groove (2) of the cam member, and a stopper guide wall (6) integrally formed on the other edge side opposite to the one edge so as to project between the lock part and the guide outlet. The lock part fulfills the role of fastening the pin member positioned outside of the stopper guide wall so that the storage cabinet will be locked at the shut position thereof inside the housing against the biasing force of a spring (12) by the joint action of the cam member and the pin member and so that the storage cabinet will be enabled by farther depression of the storage cabinet into the housing to be automatically moved in the opening direction thereof from the opening of the housing. The storage device is allowed to manifest a safety function for coping with the impact exerted on the rear side of an automobile carrying the storage device as well as on the front side thereof by a regulating wall (15) within the housing at a position capable of limiting the amount of rotation of the cam member when the cam member happens to rotate in the direction of releasing the pin member, by providing the cam member with an adjusting part (16) for causing the center of gravity of the cam member and the axis of rotation of the cam member to coincide with each other, or by making the cam member thicker at the lock part other than the remaining part of the cam member.

<IMAGE>

IPC 1-7

**B60R 7/06**; **E05C 19/02**

IPC 8 full level

**B60R 7/06** (2006.01); **E05B 65/12** (2006.01); **E05C 19/02** (2006.01)

CPC (source: EP)

**E05B 77/06** (2013.01); **E05B 83/30** (2013.01); **E05C 19/022** (2013.01)

Cited by

EP0894662A3; CN100422003C; DE19612066A1; EP1253271A3; CN103021073A; EP0978418A1; DE19835364A1; DE19835364C2; DE10340673A1; US2021246692A1; US7399008B2; US7156427B2; WO03104591A1

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