

Title (en)

Vehicle lock, in particular for a tailgate

Title (de)

Fahrzeugschloss, insbesondere für eine Heckklappentür

Title (fr)

Serrure de véhicule, notamment pour un hayon

Publication

EP 1146185 A3 20030312 (DE)

Application

EP 01108367 A 20010403

Priority

DE 10018560 A 20000414

Abstract (en)

[origin: EP1146185A2] The vehicle lock has an adjustable lock casing (2) and a latch casing (1) that fits in the lock casing. The latch casing has a latch bolt (3) that is anchored against a lock shackle (4) in the lock casing. The lock casing has a cavity with side walls (11) to hold the latch casing. The latch casing tapers like a trapezoid in the direction of the lock casing in the pivot plane of the latch bolt. The trapezoid edges of the latch casing are guided by coarse and fine guide devices against spring-loaded lock wedges (7), where the spring bias acts against the lock direction. The coarse guide devices comprise a bore (8) inside a lock wedge and a rigid guide rod (9) in the lock casing that fits in the bore, where there is a guide play between the bore and the guide rod. The fine guide devices comprise a plane inner guide face of a side wall of the lock casing and a matching plane guide surface on the lock wedge.

IPC 1-7

E05B 15/02; **E05B 65/32**; **E05B 65/19**

IPC 8 full level

E05B 15/02 (2006.01); **E05B 65/19** (2006.01); **E05B 65/32** (2006.01); **E05B 85/04** (2014.01); **E05B 83/16** (2014.01)

CPC (source: EP US)

E05B 85/045 (2013.01 - EP US); **E05B 15/022** (2013.01 - EP US); **E05B 77/38** (2013.01 - EP US); **E05B 83/16** (2013.01 - EP US); **Y10T 292/1047** (2015.04 - EP US)

Citation (search report)

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- [Y] DE 19649743 A1 19970612 - VOLKSWAGEN AG [DE]
- [DA] EP 0314075 A1 19890503 - FIAT AUTO SPA [IT]
- [A] GB 673225 A 19520604 - HALLAM SLEIGH & CHESTON LTD
- [A] US 5064229 A 19911112 - HAMADA YOSHIKAZU [JP], et al

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DOCDB simple family (publication)

EP 1146185 A2 20011017; **EP 1146185 A3 20030312**; **EP 1146185 B1 20050615**; DE 10018560 A1 20011031; DE 50106495 D1 20050818; US 2002000727 A1 20020103

DOCDB simple family (application)

EP 01108367 A 20010403; DE 10018560 A 20000414; DE 50106495 T 20010403; US 83506301 A 20010416