

Title (en)

Lock, in particular for a vehicle tail hatch, with transverse immobilisation and automatic take-up of slack.

Title (de)

Schloss, insbesondere für Kraftfahrzeug-Heckklappentür, mit Querimmobilisation und automatischer Spielkompensation.

Title (fr)

Serrure, en particulier pour porte arrière de véhicule automobile, avec immobilisation transversale et compensation automatique de jeu.

Publication

EP 0314075 A1 19890503 (EN)

Application

EP 88117768 A 19881025

Priority

IT 5378087 U 19871030

Abstract (en)

A lock for a vehicle tail hatch is described, composed of a lock plate mountable rigid with the hatch and defined by a bracket provided with a projecting trapezoidal element, and a striker unit mountable rigid with the vehicle body in the luggage compartment and comprising a further bracket and a striker pin (5) which is engaged by a rotatable fork (22) carried by the lock plate with the trapezoidal element which is inserted into the striker unit bracket; this latter bracket laterally carries a pair of wedge-shaped blocks (26) slidable against the action of springs in the direction in which the trapezoidal element is inserted into the striker unit bracket, said blocks cooperating with respective oblique edges of the trapezoidal element such that these latter cause them to retract by different amounts if the positions of the lock plate and striker unit differ transversely, so as to enable the trapezoidal element to be inserted into the striker unit bracket with consequent lateral immobilisation of the lock plate under all conditions.

IPC 1-7

E05B 65/19

IPC 8 full level

E05B 15/00 (2006.01); **E05B 65/19** (2006.01)

CPC (source: EP)

E05B 15/0006 (2013.01); **E05B 15/022** (2013.01); **E05B 83/16** (2013.01)

Citation (search report)

- [Y] GB 1108733 A 19680403 - WILMOT BREEDEN LTD
- [Y] FR 92967 E 19690124 - MECANISMES COMP IND DE [FR]

Cited by

EP1329576A1; CN111997455A; DE4321586A1; US5411302A; DE10018560A1; EP1146185A3; US2012161454A1; CN102561834A; US8944479B2; US2012112477A1; CN102561836A; US2013047373A1; US9121205B2; EP0851078A1; EP0507647A1; FR2674562A1; US2010223855A1; US8439409B2; US7029043B2; US6241039B1; US7025395B2; EP1146185A2

Designated contracting state (EPC)

DE ES FR GB SE

DOCDB simple family (publication)

EP 0314075 A1 19890503; **EP 0314075 B1 19920102**; BR 8805723 A 19890718; DE 3867425 D1 19920213; ES 2028239 T3 19920701; IT 212714 Z2 19890828; IT 8753780 V0 19871030

DOCDB simple family (application)

EP 88117768 A 19881025; BR 8805723 A 19881027; DE 3867425 T 19881025; ES 88117768 T 19881025; IT 5378087 U 19871030