

Title (en)
Opening device for a motor vehicle lock

Title (de)
Öffnungsvorrichtung eines Kraftfahrzeugschlosses

Title (fr)
Dispositif d'ouverture d'une serrure de vehicule.

Publication
EP 0889185 A1 19990107 (FR)

Application
EP 98401416 A 19980611

Priority
FR 9708498 A 19970704

Abstract (en)
The rotary bolt (2) and retaining catch (1) are pivoted (2b,1b) on the door latch-plate (3). An electrical actuator, energised by initial door-handle (5a) movement, normally overcomes pressure at the catch notch (1a,2a) and rotates the catch, liberating the bolt. Door or body-work deformation following an accident may, however, increase the pressures on bolt and catch beyond the ability of a practicable actuator to overcome. To counter this, further door-handle rotation applies tension to a cable (8,9) connected to the centre pivot of an over-centre linkage (6b,6c) operating between a fixed pivot and a sliding finger (6a). Fully straightened, the linkage forces the finger against a stop (7) on the bolt, relieving pressure at the catch. The actuator trips the catch, freeing the bolt, which is able to release the door as the continued rise of the handle retracts the finger.

Abstract (fr)
Un dispositif d'ouverture d'une serrure de véhicule comporte un pêne 2 retenu par un cliquet de verrouillage 1. Un organe électrique de commande est conformé pour commander mécaniquement un organe de déblocage 6 agissant directement sur le pêne 2 de la serrure. Application pour serrures entièrement électriques destinées à un ouvrant de véhicule. <IMAGE>

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IPC 8 full level
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E05B 77/02 (2013.01); **E05B 77/12** (2013.01); **E05B 79/20** (2013.01); **E05B 81/06** (2013.01); **E05B 81/14** (2013.01)

Citation (search report)
• [A] EP 0589158 A1 19940330 - BAYERISCHE MOTOREN WERKE AG [DE]
• [A] DE 19547727 A1 19970626 - VDO SCHINDLING [DE]
• [A] DE 4446464 A1 19950720 - MGI COUTIER SOC [FR]
• [A] EP 0389273 A1 19900926 - BABCOCK IND INC [US]
• [A] DE 4434671 A1 19960404 - SFK GMBH & CO KG SEILZUEGE FUE [DE]
• [A] US 5233849 A 19930810 - FORBERS ANTHONY G [US]

Cited by
EP1039076A1; DE102019127112A1; CN105283618A; DE102004032147A1; DE102019127109A1; DE10310916A1; DE10310916B4

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