

Title (en)
Motor vehicle lock

Title (de)
Kraftfahrzeugschloß

Title (fr)
Serrure de véhicule automobile

Publication
EP 2133495 A3 20110727 (DE)

Application
EP 09003443 A 20090310

Priority
• DE 202008007673 U 20080609
• DE 102008036356 A 20080805

Abstract (en)
[origin: EP2133495A2] The lock has a pawl manually or automatically lifted by an actuating mechanism (1) in an actuation process. A crash lock (2) brakes or blocks an automatic actuation process, which is caused by crash acceleration, during crash of a motorvehicle. The crash lock includes a spring element (4), which is fixedly mounted in a bearing point (5). The spring element supports a lock mass (3) at a point, which is separate from the bearing point, so that the lock mass is displaceable against reset force of the spring element by the crash acceleration. The spring element is made of plastic composite.

IPC 8 full level
E05B 65/12 (2006.01); **E05B 77/54** (2014.01)

CPC (source: EP)
E05B 77/06 (2013.01)

Citation (search report)
• [XY] DE 19806790 A1 19990826 - EWALD WITTE GMBH & CO KG [DE]
• [XAY] US 6042159 A 20000328 - SPITZLEY LARRY [US], et al
• [XA] EP 1052355 A2 20001115 - VALEO SICUREZZA ABITACOLO SPA [IT]
• [AD] DE 19624640 C1 19980108 - KIEKERT AG [DE]

Cited by
EP2636827A3; EP3418478A1; CN109113460A; US11318892B2; US11608660B2; US11885171B2; US11466479B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
DE 202008007673 U1 20091022; DE 102008036356 A1 20091210; EP 2133495 A2 20091216; EP 2133495 A3 20110727;
EP 2133495 B1 20121114

DOCDB simple family (application)
DE 202008007673 U 20080609; DE 102008036356 A 20080805; EP 09003443 A 20090310