



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
22.02.2017 Bulletin 2017/08

(51) Int Cl.:
E05B 1/00 (2006.01) E05B 65/20 (0000.00)

(43) Date of publication A2:
17.10.2012 Bulletin 2012/42

(21) Application number: **12158172.2**

(22) Date of filing: **06.03.2012**

(84) Designated Contracting States:
AL 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 RS SE SI SK SM TR
Designated Extension States:
BA ME

(71) Applicant: **Kabushiki Kaisha Honda Lock Sadowara-cho Miyazaki-shi, Miyazaki (JP)**

(72) Inventor: **Fujiwara, Hiroto Miyazaki-shi, Miyazaki (JP)**

(30) Priority: **11.04.2011 JP 2011087209**

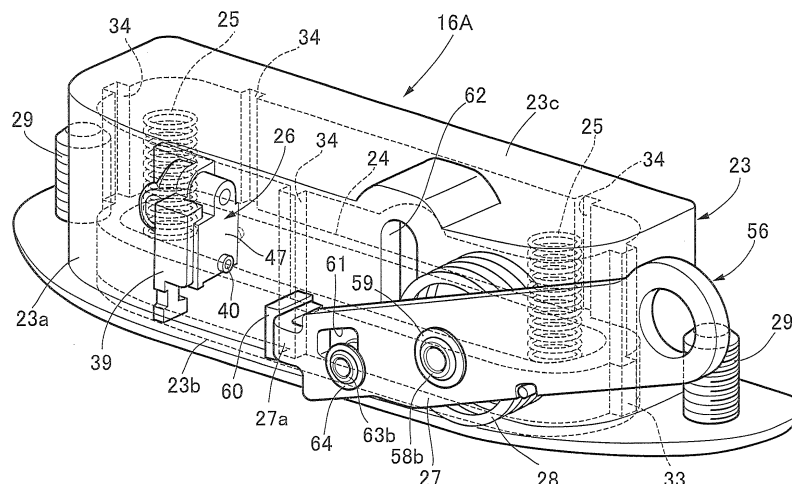
(74) Representative: **Weickmann & Weickmann PartmbB Postfach 860 820 81635 München (DE)**

(54) **Latch release device for vehicle door**

(57) A latch release device for a vehicle door includes: an operation member (24); a first spring (25) that urges the operation member (24) to a non-operation position side; a switch (26) that is connected to an electric actuator (50) so as to be made electrically continuous in response to an operation of the operation member (24) from the non-operation position to a first operation position; and latch release operation force transmitting means (56) that mechanically transmits a latch release operation force to a latch device (19) in response to an operation of the operation member (24) to a second op-

eration position. In the latch release device, a rotary lever (27) that constitutes part of the latch release operation force transmitting means (56) to rotate by being linked with an operation of the operation member (24) from the first operation position to the second operation position is urged by a second spring (28) to a non-rotation position side. Accordingly, it is possible to avoid an unnecessary emergency operation by generating an obvious difference in operation loads at a time of a normal operation and at a time of an emergency operation.

FIG.4





EUROPEAN SEARCH REPORT

Application Number
EP 12 15 8172

5

10

15

20

25

30

35

40

45

50

55

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	DE 10 2004 058874 A1 (HUF HUELSBECK & FUERST GMBH [DE]) 8 June 2006 (2006-06-08) * the whole document *	1	INV. E05B1/00 E05B65/20
X	EP 1 070 810 A1 (VALEO GMBH & CO SCHLIESSYST KG [DE]) 24 January 2001 (2001-01-24) * the whole document *	1	
X	DE 10 2005 049027 A1 (HUF HUELSBECK & FUERST GMBH [DE]) 12 April 2007 (2007-04-12) * abstract; claim 5; figures 2,3,6a *	1	
			TECHNICAL FIELDS SEARCHED (IPC)
			E05B
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 9 January 2017	Examiner Ansel, Yannick
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

 1
EPO FORM 1503 03/02 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 12 15 8172

5 This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

09-01-2017

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
DE 102004058874 A1	08-06-2006	CN 101072922 A	14-11-2007
		DE 102004058874 A1	08-06-2006
		EP 1819892 A1	22-08-2007
		KR 20070086750 A	27-08-2007
		US 2008084074 A1	10-04-2008
		WO 2006061312 A1	15-06-2006

EP 1070810 A1	24-01-2001	DE 19933646 A1	25-01-2001
		EP 1070810 A1	24-01-2001

DE 102005049027 A1	12-04-2007	DE 102005049027 A1	12-04-2007
		EP 1937921 A2	02-07-2008
		EP 2669453 A1	04-12-2013
		WO 2007042233 A2	19-04-2007
