



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
27.11.2013 Bulletin 2013/48

(51) Int Cl.:
E05F 15/20 (2006.01)

(43) Date of publication A2:
22.04.2009 Bulletin 2009/17

(21) Application number: **08166893.1**

(22) Date of filing: **17.10.2008**

(84) Designated Contracting States:
**AT BE BG CH CY CZ DE DK EE ES FI FR GB GR
HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT
RO SE SI SK TR**
Designated Extension States:
AL BA MK RS

(30) Priority: **18.10.2007 JP 2007271715**

(71) Applicant: **Mitsui Kinzoku ACT Corporation**
Naka-ku
Yokohama-shi
Kanagawa (JP)

(72) Inventors:
• **Imai, Takuya**
Nirasaki Factory, Mitsui M and S Co., Ltd
Nirasaki-shi, Yamanashi-ken (JP)
• **Ozaki, Chiho**
Nirasaki Factory, Mitsui M and S Co., Ltd
Nirasaki-shi, Yamanashi-ken (JP)

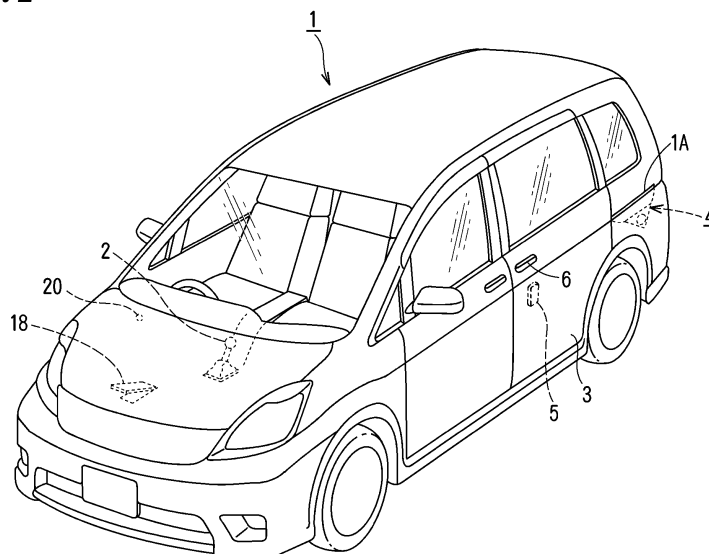
(74) Representative: **Pálsson, Ingólfur et al**
Chas. Hude A/S
H.C. Andersens Boulevard 33
1780 Copenhagen V (DK)

(54) **Door-Opening Control Device**

(57) A door-opening control device for a manual transmission car comprises an opening drive unit 4 for opening and closing a vehicle door 3. If an ignition switch 20 is off, or if the ignition switch 20 is on, if a neutral sensor 11 detects a neutral position and if an accelerator-pedal pressing sensor 13 does not detect pressing-down

of an accelerator pedal 18, the door 3 is allowed to open and close automatically by the opening drive unit 4. If the ignition switch 20 is on, if the neutral sensor 11 detects a neutral position and if the accelerator-pedal pressing sensor 13 detects pressing-down of the accelerator pedal 18, the door is not allowed to open or close automatically.

FIG.1





EUROPEAN SEARCH REPORT

Application Number
EP 08 16 6893

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
A	EP 1 475 496 A2 (AISIN SEIKI [JP]) 10 November 2004 (2004-11-10) * paragraphs [0036], [0046]; figure 13 *	1-3	INV. E05F15/20
A	US 2007/132273 A1 (SUZUKI SHINTARO [JP] ET AL) 14 June 2007 (2007-06-14) * abstract *	1-3	
A	DE 199 01 016 A1 (ELLER GMBH [DE]) 10 August 2000 (2000-08-10) * column 3, line 20 - line 24 * * column 3, line 49 - line 62 * * column 7, line 51 - line 55; figure 12 * * column 8, line 13 - line 27 *	1-3	
A	EP 0 168 520 A1 (BOSCH GMBH ROBERT [DE]) 22 January 1986 (1986-01-22) * page 4, line 4 - line 16 *	1-3	
A	JP H10 317793 A (NISSAN SHATAI CO) 2 December 1998 (1998-12-02) * paragraph [0006] - paragraph [0023]; figure 1 *	1-3	TECHNICAL FIELDS SEARCHED (IPC) E05F
A	JP 2001 260654 A (KEIHIN CORP) 26 September 2001 (2001-09-26) * paragraphs [0016], [0017], [0027], [0028], [0030], [0034], [0055], [0051] - [0053] *	1-3	
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 23 October 2013	Examiner Rémondot, Xavier
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 08 16 6893

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.

23-10-2013

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 1475496	A2	10-11-2004	CN 1539666 A	27-10-2004
			EP 1475496 A2	10-11-2004
			JP 4300858 B2	22-07-2009
			JP 2004322725 A	18-11-2004
			US 2004262945 A1	30-12-2004

US 2007132273	A1	14-06-2007	JP 4958433 B2	20-06-2012
			JP 2007162345 A	28-06-2007
			US 2007132273 A1	14-06-2007

DE 19901016	A1	10-08-2000	NONE	

EP 0168520	A1	22-01-1986	DE 3336645 A1	18-04-1985
			EP 0168520 A1	22-01-1986

JP H10317793	A	02-12-1998	JP 3467170 B2	17-11-2003
			JP H10317793 A	02-12-1998

JP 2001260654	A	26-09-2001	NONE	

EPO FORM P0459

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82