(11) **EP 0 985 793 A3**

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3: **04.07.2001 Bulletin 2001/27**

(51) Int CI.⁷: **E05D 15/06**, A47K 3/30, A47K 3/34

- (43) Date of publication A2: 15.03.2000 Bulletin 2000/11
- (21) Application number: 99307143.0
- (22) Date of filing: 09.09.1999
- (84) Designated Contracting States:

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU
MC NL PT SE

Designated Extension States: AL LT LV MK RO SI

- (30) Priority: **09.09.1998 KR 9837129 27.02.1999 KR 9906702**
- (71) Applicant: Jang, Du-Suk Yeonsu-ku, Inchon (KR)

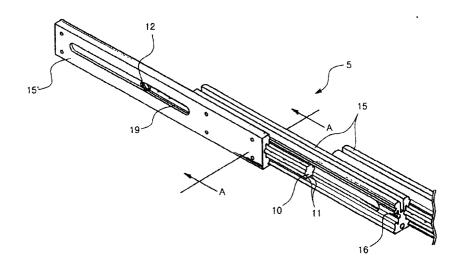
- (72) Inventor: Jang, Du-Suk Yeonsu-ku, Inchon (KR)
- (74) Representative: Findlay, Alice Rosemary et al Lloyd Wise, Tregear & Co., Commonwealth House,
 1-19 New Oxford Street London WC1A 1LW (GB)

(54) Sliding door

(57) A sliding door is disclosed. The sliding door has one or more door panels (2, 3, 4), and a sliding means being mounted to the door panels and allowing the door panels to slide. In the sliding means, a bracket (15') has a longitudinal stopper guide slot (19) and a guide groove (10). One or more sliding bars (15) individually have a longitudinal stopper guide slot (19) and a guide groove (16). One or more sliders (10) are inserted into the guide

grooves, thus sliding within the guide grooves. Each slider has stoppers (12) disposed within the stopper guide slots. With such a sliding door configuration, an entrance through the opened sliding door is widened relative to known sliding doors, mass production of the door parts and installation of a sliding door becomes relatively easy, and walking and carrying baggage beyond the door are not impeded by door frames.







EUROPEAN SEARCH REPORT

Application Number EP 99 30 7143

Category	Citation of document with indicat of relevant passages	tion, where appropriate,		elevant claim	CLASSIFICATION OF THE APPLICATION (Int.CI.7)
Х	DE 38 11 694 A (ARTWEG	ER GES M B H)	1,8	3	E05D15/06
Υ	19 October 1989 (1989- * column 1, line 37 - figures 1-6 *	column 2, line	7; 2-7	7,9	A47K3/30 A47K3/34
Y	DE 29 11 967 A (HUEPPE 9 October 1980 (1980-1 * page 12, paragraph 2 * page 13, paragraph 1 * page 15, paragraph 2	.0-09) * *	9	1,6,7,	
Υ	GB 1 521 830 A (GUENTE 16 August 1978 (1978-0 * page 2, line 86 - li	18 - 16)			
D,A	US 4 635 699 A (KAUFFM 13 January 1987 (1987- * column 4, line 20 -	01-13)			
					TECHNICAL FIELDS SEARCHED (Int.Cl.7)
					A47K E05D
	The present search report has been	,			
	Place of search THE HAGUE	Date of completion of the 11 May 200		Gui	llaume, G
X : part Y : part doci A : tech	ATEGORY OF CITED DOCUMENTS icularly relevant if taken alone icularly relevant if combined with another ument of the same category undigical backgroundwritten disclosure	E : earlie after t D : docu L : docu	y or principle under patent documen he filing date ment cited in the anent cited for other ber of the same parts.	t, but publi pplication r reasons	shed on, or

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

EP 99 30 7143

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.

11-05-2001

cité	Patent document ed in search repo	: ort	Publication date	Patent family member(s)	Publication date
DE	3811694	Α	19-10-1989	NONE	
DE	2911967	Α	09-10-1980	NONE	
GB	1521830	A	16-08-1978	DE 2555755 A AT 365732 B AT 862376 A BE 848925 A CH 612724 A FR 2334331 A IT 1069920 B SE 421442 B SE 7613958 A	23-06-1 10-02-1 15-06-1 16-03-1 15-08-1 08-07-1 25-03-1 21-12-1
us.	4635699	Α	13-01-1987	NONE	
				nean Patent Office, No. 12/82	