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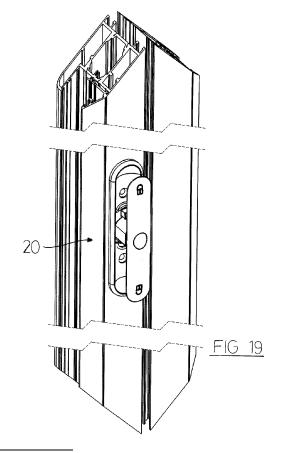
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(54)Operating handle for a folding/sliding door

(57)This invention relates to an operating handle (20; 120; 220) for a folding/sliding door (1, 2, 3). The operating handle has a mounting part (42; 142; 242) by which it may be secured to a part of the folding/sliding door in use, and a handle part (22; 122; 222) which is mounted upon the mounting part. The handle part is movable relative to the mounting part between a storage position and an operating position. The handle part is engageable with an operating shaft (32; 132) which in use engages a locking mechanism of the folding/sliding door. The handle part has a manually-grippable part (24; 124; 224) which extends to opposed sides of the operating shaft, permitting a balanced (or substantially balanced) force to be applied to the operating shaft, thereby avoiding the requirement for a separate grab handle.





EUROPEAN SEARCH REPORT

Application Number EP 10 15 1880

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Category	Citation of document with ir of relevant pass		elevant claim	CLASSIFICATION OF THE APPLICATION (IPC)		
Х	EP 0 485 767 A1 (WE [DE]) 20 May 1992 (* the whole documen	1992-05-20)	4,9-11	INV. E05B5/00 E05B1/00		
Х	DE 201 13 035 U1 (A 31 October 2001 (20 * the whole documen		2,5,6, -13			
X	JP S63 146058 U (-) 27 September 1988 (* figures *		2,5, ,12-14			
X	JP S62 85647 U (-) 1 June 1987 (1987-0 * figures *	6-01)	2,5, ,12-14			
X	GB 1 179 412 A (WES 28 January 1970 (19 * the whole documen	5, 11,14				
X	US 4 689 976 A (LAR 1 September 1987 (1 * the whole documen	987-09-01)	1-5	5, 11,14	TECHNICAL FIELDS SEARCHED (IPC)	
X	DE 297 09 115 U1 (F [DE]) 17 September * the whole documen		1,2 13	2,12,		
X	US 7 398 664 B1 (WE AL) 15 July 2008 (2 * the whole documen	1,2 11.	2, -13			
A	FR 2 811 005 A1 (FE [FR]) 4 January 200 * the whole documen	1-1	15			
	The present search report has l	peen drawn up for all claims				
Place of search		Date of completion of the search	l.J.s.s	Examiner		
	The Hague	1 December 2017	nlo und-	Westin, Kenneth		
CATEGORY OF CITED DOCUMENTS T: theory or principle underlying the invention E: earlier patent document, but published on, or after the filing date 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 E: member of the same patent family, corresponding O: non-written disclosure document						

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

EP 10 15 1880

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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.

01-12-2017

10	Patent document cited in search report				Patent family member(s)	Publication date	
45	EP 0485767	A1	20-05-1992	DE EP ES	4036250 A1 0485767 A1 2068462 T3	21-05-1992 20-05-1992 16-04-1995	
15	DE 20113035	U1	31-10-2001	NONE			
	JP S63146058	U	27-09-1988	JP JP	H051568 Y2 S63146058 U	14-01-1993 27-09-1988	
20	JP S6285647	U	01-06-1987	JP JP	H0344929 Y2 S6285647 U	20-09-1991 01-06-1987	
	GB 1179412	Α	28-01-1970	NONE			
25	US 4689976	Α	01-09-1987	CA US	1285303 C 4689976 A	25-06-1991 01-09-1987	
	DE 29709115	U1	17-09-1998	NONE			
30	US 7398664	B1	15-07-2008	US US	7398664 B1 8052182 B1	15-07-2008 08-11-2011	
	FR 2811005	A1	04-01-2002	NONE			
35							
40							
45							
50							
55	FORM P0459						

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