(11) **EP 3 553 263 A3**

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3: 08.01.2020 Bulletin 2020/02

08.01.2020 Bulletin 2020/02 E05D (43) Date of publication A2:

16.10.2019 Bulletin 2019/42
(21) Application number: 19164752.8

(22) Date of filing: 22.03.2019

(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

Designated Validation States:

KH MA MD TN

(30) Priority: 22.03.2018 US 201862646832 P 19.03.2019 US 201916358007 19.03.2019 US 201916358057 19.03.2019 US 201916358083

(71) Applicants:

 Smithson, Tyler Huntington Beach, CA 92647 (US)

 Wu, Songlin Huntington Beach, CA 92647 (US)

 Ellsworth, Jeri J. Huntington Beach, CA 92647 (US)

 Bonkemeyer, Dustin Huntington Beach, CA 92647 (US)

 Lewis, Derrek Huntington Beach, CA 92647 (US)

• Wade, Andrew Huntington Beach, CA 92647 (US)

 Peacock, Tyler Huntington Beach, CA 92647 (US) (51) Int CI.:

E05D 1/02 (2006.01) E05C 19/00 (2006.01) E05D 15/54 (2006.01) E06B 7/18 (2006.01)

 Tandjung, Darmo Huntington Beach, CA 92647 (US)

Safran Cabin Inc.
 Huntington Beach, CA 92647 (US)

(72) Inventors:

Smithson, Tyler
 Huntington Beach, CA California 92647 (US)

 Wu, Songlin Huntington Beach, CA California 92647 (US)

 Ellsworth, Jordan Huntington Beach, CA California 92647 (US)

 Bonkemeyer, Dustin Huntington Beach, CA California 92647 (US)

 Lewis, Derrek Huntington Beach, CA California 92647 (US)

 Wade, Andrew Huntington Beach, CA California 92647 (US)

Peacock, Tyler
 Huntington Beach, CA California 92647 (US)

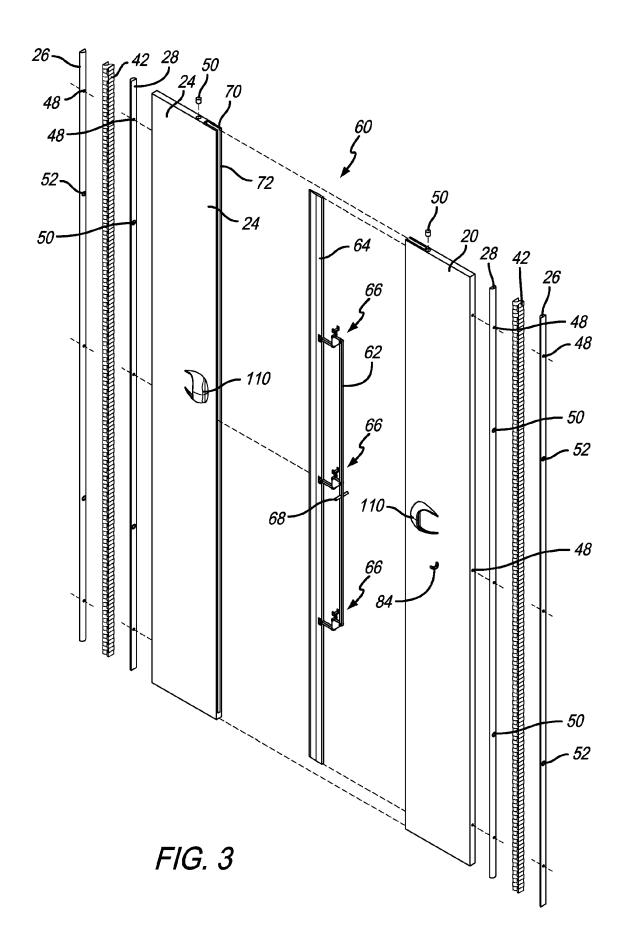
 Tandjung, Darmo Huntington Beach, CA California 92647 (US)

(74) Representative: Stevenson-Hill, Jack Patrick
 Marks & Clerk LLP
 1 New York Street
 Manchester M1 4HD (GB)

(54) SALOON-TYPE LAVATORY DOOR

(57) A saloon-type door assembly that includes left and right door assemblies that each include a frame adapter having a curved inner surface with a first apex, a front portion and a rear portion, a door adapter that includes a curved outer surface with a second apex a front portion and a rear portion, a door panel associated with the door adapter, at least one front hinge strip secured along a front hinge strip path, and at least one rear hinge strip that is secured along a rear hinge strip path. The front hinge strip path extends from the front portion

of the curved outer surface of the door adapter to the rear portion of the curved inner surface of the frame adapter. The rear hinge strip path extends from the rear portion of the curved outer surface of the door adapter to the front portion of the curved inner surface of the frame adapter. The door panels are movable between a front open position, a closed position and a rear open position.





EUROPEAN SEARCH REPORT

Application Number

EP 19 16 4752

10	
15	
20	
25	
30	
35	
40	
45	
50	

55

5

		RED TO BE RELEVANT		
Category	Citation of document with inc of relevant passa		Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
Υ	US 2010/175223 A1 (I AL) 15 July 2010 (20 * figures 11,12 * * paragraph [0035] * paragraph [0036]	*	1,2,7-10	INV. E05D1/02 E05D15/54 E05C19/00 E06B7/18
Υ	GB 2 254 881 A (COU 21 October 1992 (199 * pages 1-3; figure	92-10-21)	1,2,7-10	
A	US 2014/224930 A1 (ET AL) 14 August 20 * abstract; figures	 IVESTER CLARENCE [US] 14 (2014-08-14) 12-14 *	1,2,7-10	
А	DE 12 66 171 B (ROG 11 April 1968 (1968 * column 3, line 23 figures 4-6 *		3-6	
				TECHNICAL FIELDS
				SEARCHED (IPC)
				E05C E06B
	The present search report has b	een drawn up for all claims Date of completion of the search		Examiner
Place of search The Hague		29 November 20		lberg, Jan
X : part Y : part docu A : tech O : non	ATEGORY OF CITED DOCUMENTS icularly relevant if taken alone icularly relevant if combined with anoth ument of the same category inological background -written disclosure rmediate document	T : theory or prin E : earlier patent after the filing P : document cit L : document cit	Liple underlying the ir t document, but publis	nvention hed on, or



Application Number

EP 19 16 4752

	CLAIMS INCURRING FEES								
	The present European patent application comprised at the time of filing claims for which payment was due.								
10	Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due and for those claims for which claims fees have been paid, namely claim(s):								
15	No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due.								
20									
	LACK OF UNITY OF INVENTION								
	The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:								
25									
	see sheet B								
30									
	All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.								
35	As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.								
40	Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:								
45	None of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims:								
50									
55	The present supplementary European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims (Rule 164 (1) EPC).								



5

LACK OF UNITY OF INVENTION SHEET B

Application Number

EP 19 16 4752

	The Searc	h Divisionts of un	n conside	ers that ention a	the pre	sent E	uropean p everal inv	oatent app entions o	lication r groups	does no	ot comply ntions, na	with t	he	
10			ims: 1,	2, 7	'-10									
			assemb	on-ty ly	rpe ac	oor a 	ssembi	y with	a spe	cial	ninge	and	ninge	
15	2	. clai	ims: 3- A lock		omh l v									
20			A TOCK	. 4330	.iiio i y									
20														
25														
30														
35														
40														
45														
50														
55														

EP 3 553 263 A3

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

EP 19 16 4752

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.

29-11-2019

10	Patent document cited in search report		Publication date	Patent family member(s)	Publication date
	US 2010175223	A1	15-07-2010	NONE	
15	GB 2254881	Α	21-10-1992	GB 2254881 A US 5187897 A	21-10-1992 23-02-1993
20	US 2014224930	A1	14-08-2014	CA 2900865 A1 CN 104995089 A EP 2953850 A1 JP 6553115 B2 JP 2016510284 A JP 2017149420 A US 2014224930 A1 US 2016272321 A1 WO 2014124381 A1	14-08-2014 21-10-2015 16-12-2015 31-07-2019 07-04-2016 31-08-2017 14-08-2014 22-09-2016 14-08-2014
25	DE 1266171	 В	11-04-1968	NONE	
30					
35					
40					
45					
50					
55					

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