

(11) **EP 3 450 857 A3**

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3: 22.05.2019 Bulletin 2019/21

(51) Int Cl.: F24C 15/32 (2006.01) F24C 15/00 (2006.01)

F24C 15/02 (2006.01)

(43) Date of publication A2: **06.03.2019 Bulletin 2019/10**

(21) Application number: 18186460.4

(22) Date of filing: 31.07.2018

(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: 29.08.2017 TR 201712959

(71) Applicant: Vestel Beyaz Esya Sanayi ve TicaretA.S.45030 Manisa (TR)

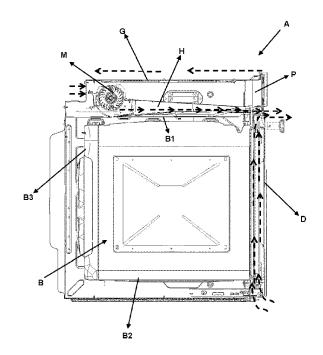
(72) Inventors:

- SEVER, Aykut 45030 Manisa (TR)
- ASIK, Rustem 45030 Manisa (TR)
- ARSLAN, Fatih
 45030 Manisa (TR)
- BESER, Mert Manisa (TR)

(74) Representative: Cayli, Hülya Paragon Consultancy Incorporated Koza Sokak No: 63/2 GOP 06540 Ankara (TR)

(54) A white good and operation method

(57)The white good (A) developed by the present invention comprises the body (G); which comprises at least one opening (B4) for access to inside; the control panel (P) which is provided at the body (G); the door (D), which has the closed position to prevent access to the opening (B4), wherein the cavity, being in connection with the outer environment, is formed between the control panel (P) and the door (D); the channel (H), a part of which opens into the cavity; and the fan (M) which is provided at the body (G), which draws the outer environment air, and enables the air to reach to the cavity through the channel (H); and the flap arrangement (K) which has the first position that allows the air, reaching to the cavity, to pass to the outer environment when the door (D) is in closed position, and the second position that enables the air to be directed towards the opening (B4) when the door (D) is opened.



Şekil – 1



EUROPEAN SEARCH REPORT

Application Number EP 18 18 6460

ē
82
ဗ
503
Σ
OBM
$\overline{}$

	DOCUMENTS CONSID	ERED TO BE RELEVANT			
Category	Citation of document with in of relevant pass	ndication, where appropriate, ages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)	
X Y A	US 2017/082296 A1 (AL) 23 March 2017 (* paragraph [0084];		1-5,13, 14 6,15 7,8, 10-12	INV. F24C15/32 F24C15/02 F24C15/00	
Х		(ELECTROLUX APPLIANCES er 2016 (2016-11-17)	1-3,13		
Х	12 March 2015 (2015	(LEE DONG HO [KR] ET AL) 5-03-12) - [0080]; figures 2,5	1-3,9		
Υ	JP S62 5066 A (HITA 12 January 1987 (19 * figures 1, 6 *		6		
Υ	US 5 350 903 A (TAK 27 September 1994 (* column 3, lines 3	(1994-09-27)	15	TECHNICAL FIELDS SEARCHED (IPC) F24C	
	The present search report has	been drawn up for all claims	-		
	Place of search	Date of completion of the search	<u> </u>	Examiner	
	The Hague	16 April 2019	Can	ıköy, Necdet	
X : part Y : part docu A : tech O : non	ATEGORY OF CITED DOCUMENTS icularly relevant if taken alone icularly relevant if combined with anot unent of the same category inological background written disclosure mediate document	T : theory or principle E : earlier patent doc after the filing dat her D : document cited ir L : document cited fo	e underlying the in nument, but publis e n the application or other reasons	nvention shed on, or	



5

Application Number

EP 18 18 6460

	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							
20	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 18 18 6460

	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:	
10	1. claims: 1-4, 13-15	
	A white good with an airflow arrangement	
15	2. claims: 5-12	
	A white good with a rotating flap	
20		
25		
30		
35		
40		
1 5		
50		
55		

EP 3 450 857 A3

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

EP 18 18 6460

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.

16-04-2019

10	Patent document cited in search report		Publication date		Patent family member(s)	Publication date
	US 2017082296	A1	23-03-2017	KR US	20170035455 A 2017082296 A1	31-03-2017 23-03-2017
20	WO 2016180684	A1	17-11-2016	AU BR CN EP EP US WO	2016260672 A1 112017020653 A2 107535023 A 3091291 A1 3134684 A1 2018094820 A1 2016180684 A1	28-09-2017 03-07-2018 02-01-2018 09-11-2016 01-03-2017 05-04-2018 17-11-2016
25	US 2015068510	A1	12-03-2015	EP KR US	2857756 A1 20150030016 A 2015068510 A1	08-04-2015 19-03-2015 12-03-2015
	JP S625066	Α	12-01-1987	NON	 Е	
30	US 5350903	A	27-09-1994	GB JP KR US	2269029 A H0634143 A 960002808 B1 5350903 A	26-01-1994 08-02-1994 26-02-1996 27-09-1994
35						
40						
45						
50						
55	FORM P0459					

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