



Europäisches
Patentamt
European
Patent Office
Office européen
des brevets

SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 17 91 02 03

Classification of the application (IPC):

F24F 11/00, F24F 1/00, F24F 11/72, F24F 11/79, F24F 13/08, F24F 11/67,
F24F 11/70, F24F 110/10, F24F 11/64

Technical fields searched (IPC):

F24F

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X	US 2017089605 A1 (KIM YOUNG-JIN [KR] ET AL) 30 March 2017 (2017-03-30) * paragraph [0191] - paragraph [0521]; claims 1-8; figure 32 *	1-15
X	KR 100430005 B1 (LG ELECTRONICS INC [KR]) 03 May 2004 (2004-05-03) * page 2 - page 4; claims 1-6; figure 2 *	1-15
X	JP S55105130 A (MATSUSHITA ELECTRIC IND CO LTD) 12 August 1980 (1980-08-12) * abstract; figures 1-2 *	1-15
X	WO 2017041726 A1 (GREE ELECTRIC APPLIANCES INC ZHUHAI [CN]) 16 March 2017 (2017-03-16) * page 4 - page 6; claims 4, 6; figure 1 *	1-15

The supplementary search report has been based on the last set of claims valid and available at the start of the search.

Place of search Munich	Date of completion of the search 16 April 2020	Examiner Silex, Anna
---------------------------	---	-------------------------

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
& : member of the same patent family, corresponding document

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

Disclaimer: this document has been automatically generated using data structured in accordance with WIPO standard ST.36 from the database of search reports of the European Patent Office. For technical reasons, its content and layout may differ from that of the original publication. Only the original published information is legally binding.



ANNEX TO SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 17 91 02 03

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 16-04-2020
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent document cited in search report	Publication date	Patent family member(s)	Publication date		
US 2017089605	A1	30-03-2017	AU 2016329913 A1 07-12-2017		
			BR 112018000342 A2 11-09-2018		
			CN 106560659 A 12-04-2017		
			CN 109869812 A 11-06-2019		
			CN 110030621 A 19-07-2019		
			KR 101707617 B1 21-02-2017		
			KR 20170039104 A 10-04-2017		
			KR 20180121463 A 07-11-2018		
			US 2017089605 A1 30-03-2017		
			US 2018347839 A1 06-12-2018		
			WO 2017057817 A1 06-04-2017		

		KR 100430005	B1	03-05-2004	NONE

JP S55105130	A	12-08-1980	NONE		

WO2017041726	A1	16-03-2017	CN 105240930 A 13-01-2016		
			EP 3348917 A1 18-07-2018		
			WO 2017041726 A1 16-03-2017		