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SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 19 95 07 56

Classification of the application (IPC):
F24F 11/46, ***F24F 7/08***, ***F24F 110/10***, ***F24F 110/20***, ***F24F 140/60***, ***F24F 11/65***, *F24F 120/20, F24F 140/50*

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 Y	US 2016290667 A1 (TAMARU SHINGO [JP] ET AL) 06 October 2016 (2016-10-06) * the whole document *	1, 5, 6 2-4
Y	WO 2017081820 A1 (MITSUBISHI ELECTRIC CORP [JP]) 18 May 2017 (2017-05-18) * paragraphs [0013], [0074], [0113], [0148] - [0159] *	2-4
X	WO 2018182022 A1 (DAIKIN IND LTD [JP]) 04 October 2018 (2018-10-04) * paragraphs [0101] - [0155]; figures 1-8 *	1
X	JP 2013124809 A (MITSUBISHI ELEC BUILDING TECHN; MITSUBISHI ELECTRIC CORP) 24 June 2013 (2013-06-24) * paragraphs [0066] - [0110]; figures 1-11 *	1

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	Date of completion of the search	Examiner
Munich	21 September 2022	Blot, Pierre-Edouard

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
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
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ANNEX TO SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 19 95 07 56

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2016290667 A1	06-10-2016	CN 104160217 A	19-11-2014
		EP 2966372 A1	13-01-2016
		JP 5951526 B2	13-07-2016
		JP 2014169833 A	18-09-2014
		SG 11201405339P A	30-10-2014
		US 2016290667 A1	06-10-2016
		WO 2014136330 A1	12-09-2014
WO 2017081820 A1	18-05-2017	JP 6479210 B2	06-03-2019
		JP WO2017081820 A1	26-04-2018
		WO 2017081820 A1	18-05-2017
WO 2018182022 A1	04-10-2018	CN 110462301 A	15-11-2019
		EP 3604954 A1	05-02-2020
		ES 2925539 T3	18-10-2022
		JP 6414354 B1	31-10-2018
		JP 2018173264 A	08-11-2018
		US 2020080742 A1	12-03-2020
		WO 2018182022 A1	04-10-2018
JP 2013124809 A	24-06-2013	JP 5755556 B2	29-07-2015
		JP 2013124809 A	24-06-2013

EP 4 053 467 A4

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