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SUPPLEMENTARY PARTIAL EUROPEAN SEARCH REPORT

under Rule 62a and/or 63 of the European Patent Convention. This report shall be considered, for the purposes of subsequent proceedings, as the European search report

Application number:
EP 19 94 86 65

Classification of the application (IPC):
F24F 1/24, H05K 7/20, F24F 1/08, F24F 1/30

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 | KR 101734640 B1 (LG ELECTRONICS INC [KR]) | 1-3 |
| Y | 11 May 2017 (2017-05-11) | 11-15 |
| A | * paragraph [0086] - paragraph [0106]; figure 4 * | 4-7 |
| Y | CN 208804790 U (GUANGDONG MEDIA REFRIGERATION EQUIPMENT CO., LTD. ET AL.) 30 April 2019 (2019-04-30) | 11-15 |
| | * paragraph [0055] - paragraph [0061]; figures 1-10 * | |
| A | US 2019226691 A1 (TOKUDI MIKIHITO [JP] ET AL) 25 July 2019 (2019-07-25) | 1-7, 11-15 |
| | * paragraph [0046] - paragraph [0057]; figures 1-2,9 * | |
| A | US 2017016636 A1 (KOO KYOMIN [KR] ET AL) 19 January 2017 (2017-01-19) | 1-7, 11-15 |
| | * paragraph [0053] - paragraph [0055]; figure 4 * | |
| A | KR 20140121517 A (SAMSUNG ELECTRONICS CO LTD [KR]) 16 October 2014 (2014-10-16) | 1-7, 11-15 |
| | * paragraph [0032] - paragraph [0054]; figures 2-8 * | |
| A | JP 2005197454 A (MITSUBISHI ELECTRIC CORP) 21 July 2005 (2005-07-21) | 1-7 |
| | * paragraph [0007] - paragraph [0010]; figures 1-4 * | |

INCOMPLETE SEARCH

The Search Division considers that the present application, or one or more of its claims, does/do not comply with the EPC so that only a partial search (R. 62a, 63) has been carried out.

Claim(s) completely searchable: 1-7, 11-15

Claim(s) not searched: 8-10

Reason for the limitation of the search:

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 23 January 2024 | Examiner Anconetani, Mirco |
|---------------------------|---|-------------------------------|

CATEGORY OF CITED DOCUMENTS

| | |
|---|--|
| X: particularly relevant if taken alone | P: intermediate document |
| Y: particularly relevant if combined with another document of the same category | T: theory or principle underlying the invention |
| A: technological background | E: earlier patent document, but published on, or after the filing date |
| O: non-written disclosure | D: document cited in the application |
| & : member of the same patent family, corresponding document | L: document cited for other reasons |

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Application number:
EP 19 94 86 65

INCOMPLETE SEARCH

[0001] Following a communication pursuant to Rule 62a(1)EPC dated 26-09-2023, no reply has been received within the two months set therein. Hence, the search report has been drawn up on the basis of independent claims 1 and 11 and the claims dependent thereon.

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 23 January 2024 | Examiner Anconetani, Mirco |
|---------------------------|---|-------------------------------|

CATEGORY OF CITED DOCUMENTS

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**ANNEX TO SUPPLEMENTARY PARTIAL
EUROPEAN SEARCH REPORT**

 Application number:
EP 19 94 86 65

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 23-01-2024.
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| Patent document cited in search report | | Publication date | Patent family member(s) | Publication date |
|---|----|---------------------|--|--|
| KR 101734640 | B1 | 11-05-2017 | NONE | |
| CN 208804790 | U | 30-04-2019 | NONE | |
| US 2019226691 | A1 | 25-07-2019 | BR 112019006970 A2 CN 109891165 A EP 3693678 A1 JP 6538290 B1 JP WO2019069470 A1 KR 20190044118 A US 2019226691 A1 WO 2019069470 A1 | 26-05-2020 14-06-2019 12-08-2020 03-07-2019 14-11-2019 29-04-2019 25-07-2019 11-04-2019 |
| US 2017016636 | A1 | 19-01-2017 | CN 105992917 A EP 3240973 A1 ES 2933821 T3 KR 20160081093 A US 2017016636 A1 WO 2016108643 A1 | 05-10-2016 08-11-2017 14-02-2023 08-07-2016 19-01-2017 07-07-2016 |
| KR 20140121517 | A | 16-10-2014 | NONE | |
| JP 2005197454 | A | 21-07-2005 | NONE | |