



EUROPEAN SEARCH REPORT

Application Number

EP 22 16 8278

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DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	<p>KR 2004 0097811 A (LG ELECTRONICS INC) 18 November 2004 (2004-11-18) * figures 5,6 * * page 3 *</p>	1-10	<p>INV. F04C18/02 F04C18/356 F04C23/00 F04C29/12</p>
X	<p>US 4 929 160 A (INOUE TOSHINOBU [JP]) 29 May 1990 (1990-05-29) * figure 5 *</p>	1,2,6,7,9,10	
X	<p>WO 2020/217385 A1 (MITSUBISHI HEAVY IND THERMAL SYSTEMS LTD [JP]) 29 October 2020 (2020-10-29) * figure 1 *</p>	1,2,7,9,10	
X	<p>US 2021/054844 A1 (RYU GYEONGJOONG [KR] ET AL) 25 February 2021 (2021-02-25) * figures 1,4 *</p>	1,2,9,10	
X	<p>JP 2009 281304 A (DAIKIN IND LTD [JP]) 3 December 2009 (2009-12-03) * figure 1 * * paragraph [0007] *</p>	1,2,10	<p>TECHNICAL FIELDS SEARCHED (IPC) F04C</p>

The present search report has been drawn up for all claims

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Place of search Munich	Date of completion of the search 30 September 2022	Examiner Durante, Andrea
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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

 & : member of the same patent family, corresponding document

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

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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
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30-09-2022

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
KR 20040097811 A	18-11-2004	NONE	
US 4929160 A	29-05-1990	JP S6444386 U KR 890007240 U US 4929160 A	16-03-1989 15-05-1989 29-05-1990
WO 2020217385 A1	29-10-2020	EP 3951181 A1 JP WO2020217385 A1 WO 2020217385 A1	09-02-2022 29-10-2020 29-10-2020
US 2021054844 A1	25-02-2021	CN 212389518 U KR 20210021877 A US 2021054844 A1	22-01-2021 02-03-2021 25-02-2021
JP 2009281304 A	03-12-2009	NONE	