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(54) **ROOFTOP HVAC UNIT**

(57) A rooftop unit (RTU) having a power exhaust component (204) is disclosed. The RTU comprises a sliding mechanism configured to support the power exhaust component (204) and enable movement of the power exhaust component (204) between a stowed position, and an unpacked position. Further, an RTU having furnace assembly (104) is disclosed. The RTU comprises a sliding mechanism configured to support the furnace assembly (104) and enable movement of the furnace assembly (104) between a stowed position, and an unpacked position. Furthermore, an air-directing baffle (304) for an electric heater (302) associated with an RTU is disclosed. The baffle (304) is adapted to be removably configured between the electric heater (302) and fan(s) (308) associated with the RTU. The baffle (304) directs the flow of air towards a limit switch and/or heating elements associated with the electric heater (302) while restricting the recirculation of the air towards the fans (308) or within the RTU.

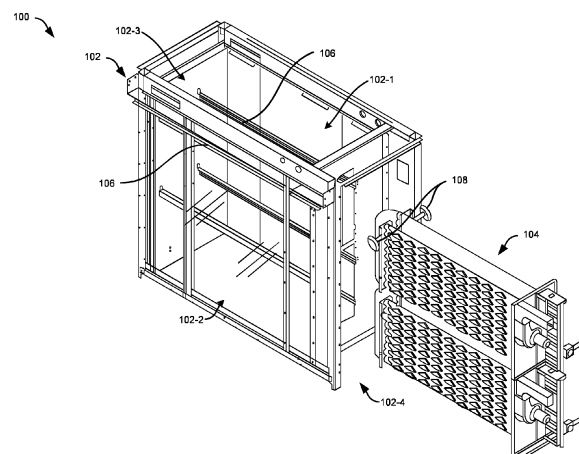


FIG. 1A



EUROPEAN SEARCH REPORT

Application Number

EP 24 17 7749

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EPO FORM 1503 03.82 (P04C01)

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	CN 116 086 014 A (TRANE AIR CONDITIONING SYSTEMS CHINA CO LTD; TRANE INT INC) 9 May 2023 (2023-05-09) * paragraphs [0007] - [0099]; figures 2a,4,5a *	1-11	INV. F24H9/02 F24F1/56 F24F1/44 F24H3/06 F24H9/00 F24D5/02
X	EP 3 828 471 B1 (CAPTIVE AIRE SYSTEMS INC [US]) 24 August 2022 (2022-08-24) * paragraphs [0011] - [0026]; figures 1,2 *	6-11	
X	US 4 139 052 A (LACKEY ROBERT S) 13 February 1979 (1979-02-13) * column 3, line 5 - column 6, line 23; figures 1-3 *	12-15	
			TECHNICAL FIELDS SEARCHED (IPC)
			F24H F24D F24F
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 4 November 2024	Examiner Hoffmann, Stéphanie
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	



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EP 24 17 7749

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CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing claims for which payment was due.

☐ 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):

☐ 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.

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:

see sheet B

☒ All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.

☐ As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.

☐ 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:

☐ 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:

☐ 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).

**LACK OF UNITY OF INVENTION
SHEET B**

Application Number

EP 24 17 7749

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:

1. claims: 1-11

Rooftop unit comprising a sliding mechanism and a housing

2. claims: 12-15

Air-directing baffle for an electric heater associated with
a rooftop unit

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

EP 24 17 7749

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.

04-11-2024

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