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(71) Applicant: **Honeywell International Inc.**
Charlotte, NC 28202 (US)

(72) Inventors:
• **R, Ragesh**
Charlotte, 28202 (US)
• **KHANDELWAL, Shubham**
Charlotte, 28202 (US)
• **VELLALA, Yashwanth**
Charlotte, 28202 (US)

- **AGGARWAL, Kanchan**
Charlotte, 28202 (US)
- **JHA, Sunita**
Charlotte, 28202 (US)
- **MATHUR, Harsha**
Charlotte, 28202 (US)
- **BRAHMAJOSYULA, Jagadeesh**
Charlotte, 28202 (US)
- **GIBSON, Adam Robert**
Charlotte, 28202 (US)
- **WYLDE-BROWNE, Anthony**
Charlotte, 28202 (US)
- **RANJAN, Prabhat**
Charlotte, 28202 (US)
- **GUPTA, Bhavesh S.**
Charlotte, 28202 (US)

(74) Representative: **Haseltine Lake Kempner LLP**
Cheapside House
138 Cheapside
London EC2V 6BJ (GB)

(54) **METHOD AND SYSTEM FOR CONTROLLING AN HVAC SYSTEM TO REDUCE INFECTION RISK IN A BUILDING**

(57) A method for controlling an Air Handling Unit (AHU) of an HVAC (Heating, Ventilating and Air Conditioning) system servicing a building space of a building includes determining when there is an elevated pathogen transmission risk in the building space. In response to determining that there is an elevated pathogen transmission risk in the building space, the AHU is controlled to adjust operation of the AHU to alleviate the elevated pathogen transmission risk.

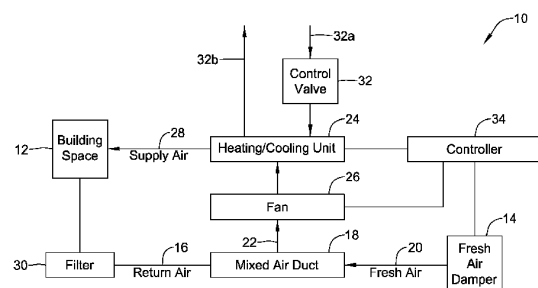


FIG. 1



PARTIAL EUROPEAN SEARCH REPORT

Application Number

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

EP 24 17 4917

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	US 2022/178574 A1 (DONG BING [US] ET AL) 9 June 2022 (2022-06-09) * paragraphs [0011] - [0039]; claims 1-6,11-16 *	1-8	INV. F24F1/0035 F24F3/044 F24F8/10 F24F11/00 F24F11/62 F24F11/77 F24F11/80 F24F11/84
X	US 5 564 626 A (KETTLER JOHN P [US] ET AL) 15 October 1996 (1996-10-15) * the whole document *	1-8	
X	EP 4 119 856 A1 (CARRIER CORP [US]) 18 January 2023 (2023-01-18) * paragraphs [0025] - [0034]; claims 1-7; figures 1,2 *	1-8	
A	US 2022/082280 A1 (DOUGLAS JONATHAN D [US] ET AL) 17 March 2022 (2022-03-17) * claim 1 *	1-8	
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			TECHNICAL FIELDS SEARCHED (IPC)
			F24F

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.

Claims searched completely :

Claims searched incompletely :

Claims not searched :

Reason for the limitation of the search:

see sheet C

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Place of search	Date of completion of the search	Examiner
Munich	13 January 2025	Lienhard, Dominique
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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**INCOMPLETE SEARCH
SHEET C**

Application Number

EP 24 17 4917

Claim(s) completely searchable:

1-8

Claim(s) not searched:

9-15

Reason for the limitation of the search:

The search has been restricted to the subject-matter indicated by the applicant in his letter of 14/11/2024 filed in reply to the invitation pursuant to Rule 62a(1) and/or Rule 63(1) EPC, i.e. to claims 1-8

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

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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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13 - 01 - 2025

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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82