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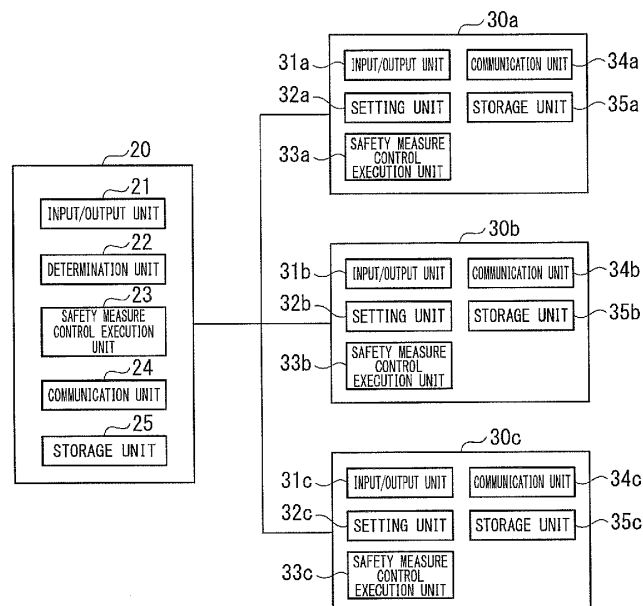
(30) Priority: **28.07.2017 JP 2017146805**

(54) **CONTROL SYSTEM, AIR CONDITIONER, AND SETTING METHOD**

(57) Provided is a control system configured to reduce effort to manually disable a safety function when the safety function of an air conditioner (1) is not necessary, to determine whether the safety function is necessary, and to automatically switch between enabling and disabling of the safety function according to the determination. A control system of an air conditioner, which includes a setting unit (32) configured to switch between

enabling and disabling of a safety function of the air conditioner (1) on the basis of a total amount of refrigerant of the air conditioner, is provided. The control system enables the safety function when the total amount of refrigerant of the air conditioner is large and disables the safety function when the total amount of refrigerant of the air conditioner is small.

FIG. 3





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 18 18 3982

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	JP 2014 095514 A (PANASONIC CORP) 22 May 2014 (2014-05-22) * the whole document *	1-8, 10-12	INV. F24F11/65 F24F11/36
X	EP 1 876 403 A1 (DAIKIN IND LTD [JP]) 9 January 2008 (2008-01-09) * paragraph [0043] - paragraph [0121]; figures *	1-8, 10-12	
X	WO 2011/136210 A1 (NANBA CO LTD [JP]; NANBA SHUNSUKE [JP]; NANBA SYOICHI [JP]) 3 November 2011 (2011-11-03) * the whole document *	1-8, 10-12	
X	US 2006/179854 A1 (ESSLINGER STEVE [US]) 17 August 2006 (2006-08-17) * paragraph [0011] - paragraph [0028] *	1-8, 10-12	
			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	17 May 2019	Arndt, Markus
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

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Claim(s) completely searchable:
1-8, 11, 12

Claim(s) searched incompletely:
10

Claim(s) not searched:
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Reason for the limitation of the search:

In response to the invitation pursuant to Rule 62a (1) EPC the applicant indicated in his letter of 17. 7. 2018 that the search be carried out on the basis of independent apparatus claim 1. Thus, the search report has been drawn up on the basis of independent apparatus claims 1 and method claim 11 (Rule 62a(1) EPC).

**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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