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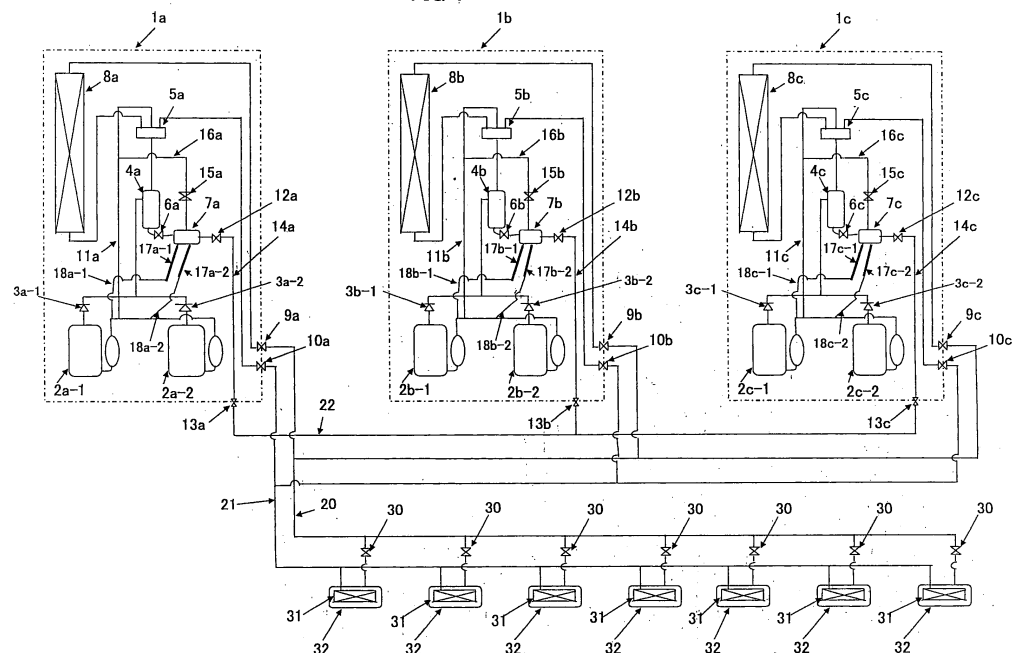
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(54) **Oil management system for multiple condensers**

(57) An oil management system for multiple in a refrigerating system comprising of an oil separator (4) having plurality of inlets and outlets for separating refrigerant and oil, an oil accumulator (7) having plurality of inlets, outlets and thermistors for equalising the level of oil in

each of the outdoor unit compressor (2) and a valve means (5) for regulating the flow of refrigerant to the outdoor heat-exchanger, receiving refrigerant from indoor heat-exchanger and oil accumulator (7) and distributing the refrigerant to compressors (2).

FIG 1





EUROPEAN SEARCH REPORT

 Application Number
 EP 07 25 2844

| DOCUMENTS CONSIDERED TO BE RELEVANT | | | |
|--|---|---|---|
| Category | Citation of document with indication, where appropriate, of relevant passages | Relevant to claim | CLASSIFICATION OF THE APPLICATION (IPC) |
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| X | JP 2001 201200 A (TOSHIBA CARRIER KK) 27 July 2001 (2001-07-27) * paragraph [0012] - paragraph [0072]; figures 1-10 * * paragraph [0031] * | 1-3,5,7 | |
| X | US 6 125 642 A (SEENER G THOMAS [US] ET AL) 3 October 2000 (2000-10-03) * column 1, line 51 - column 2, line 5; figures 1-9 * * column 2, line 18 - column 2, line 25 * * column 4, line 57 - column 10, line 5 * | 1-4,6,7 | |
| A | FR 2 564 957 A1 (ELECTROLUX CR SA [FR]) 29 November 1985 (1985-11-29) * page 4, line 12 - page 5, line 32; figures 1,2 * | 1 | TECHNICAL FIELDS SEARCHED (IPC) F25B |
| The present search report has been drawn up for all claims | | | |
| Place of search Munich | | Date of completion of the search 21 September 2010 | Examiner Szilagyi, Barnabas |
| 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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 EPO FORM 1503 03.82 (P04C01)



Application Number

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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:

see additional sheet(s)

☐ 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 07 25 2844

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: 1-9

Oil management system wherein the oil separator is connected to the oil accumulator by a solenoid valve.

2. claims: 1, 10-12

Oil management system wherein the the thermistors comprise resistors forming a bridge circuit.

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

EP 07 25 2844

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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21-09-2010

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