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(54) **Multi-flow type sub cool condenser**

(57) A multi-flow type sub cool condenser (1000) comprises a first header pipe (1), having at one end a plugging mechanism (100, 200, 300, 400) in which a plugging member can be fastened or unfastened at will manually and which enables a desiccant (13), having a length comparable to that of said first header pipe, to be put in and taken out of said first header pipe. A second header pipe (2), the interior of which is sectioned into two chambers (2a, 2b) by a partition plate (8). A plurality of flat heat transfer tubes (4) interconnect said first and second header pipes, and a plurality of corrugated fins (5) are interposed between said flat tubes (4).

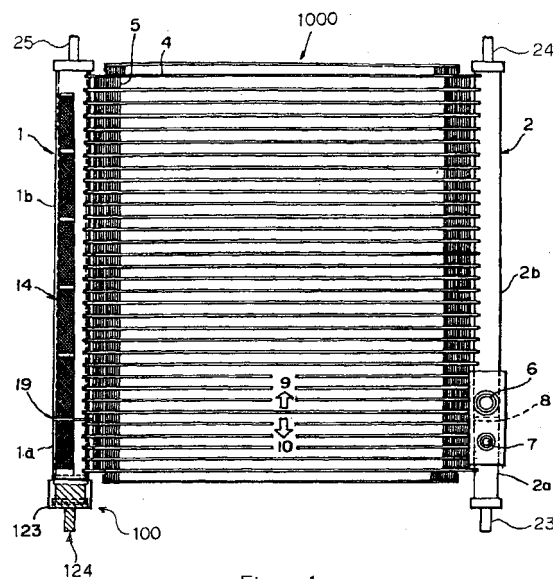


Fig. 1



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Place of search MUNICH		Date of completion of the search 29 April 2004	Examiner Ritter, C
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CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing more than ten claims.

- ☐ Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims 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 the first ten claims.

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:



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**LACK OF UNITY OF INVENTION
SHEET B**

Application Number
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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: 1-12

The inventive idea according to claims 1 to 12 seems to lie on the particular choice of the desiccant used in the condenser.

2. Claims: 1,13-27

the invention idea according to claims 1, 13 to 27 seems to lie on a plugging mechanism within the first header pipe.

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

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