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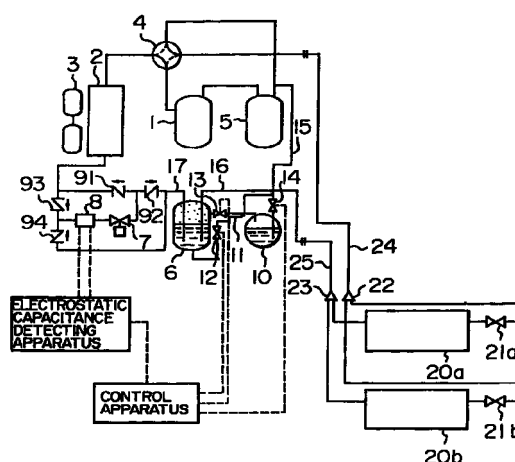
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(54) **Refrigeration cycle using a non-azeotrope refrigerant**

(57) A refrigeration cycle using a non-azeotrope refrigerant comprises a compressor (1), a heat-source-side heat exchanger (2), a use-side heat exchanger (20a, 20b), a refrigerant pressure reducing apparatus (7), a refrigerant receiver (6) disposed between a side of said heat-source-side heat exchanger (2) and said use-side heat exchanger (20a, 20b), whereby said side is opposite to another side of said heat-source-side heat exchanger (2) connected to said compressor (1), a composition ratio detecting means (8) arranged for detecting a composition ratio of the refrigerant, and composition ratio control means (10 to 15, 40 to 44). The composition ratio detecting means (8) is disposed between said heat-source-side heat exchanger (2) and said receiver (6). The composition ratio control means (10 to 15, 40 to 44) are arranged for taking out gas refrigerant from said receiver (6) on the basis of the composition ratio of the refrigerant detected by said composition ratio detecting means (8) so as to vary the refrigerant composition ratio mainly used in said refrigeration cycle.

FIG. 1



EP 0 838 643 A3



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The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 27 September 2000	Examiner Boets, A
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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**ANNEX TO THE EUROPEAN SEARCH REPORT
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