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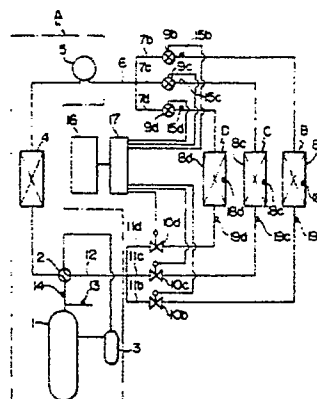
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54 **Multiple room type air conditioning system and control method therefor.**

57 A heat pump type multiple room air conditioning system comprises a single outdoor unit (A) including a compressor (1) and an outdoor heat exchanger (4), a plurality of indoor units (B, C, D) each including an indoor heat exchanger (8b, 8c, 8d), a plurality of electric reverse expansion valves (9b, 9c, 9d) and a plurality of solenoid valves (10b, 10c, 10d). The expansion valves (9) associated with the inoperating indoor units of the indoor units, or such expansion valves (9) and the solenoid valves (10) associated with the inoperating indoor units of the indoor units, in operation of the system, are opened or closed to change the amount of refrigerant stored within the inoperating indoor units. The system further comprises a controller (16) for sampling a subcooling degree (SC) of the refrigerant in refrigeration circuit or super heating degree (SH) thereof periodically and for calculating and comparing the sampling data with predetermined values, and control signal outputting means (17) for receiving signals from the con-

troller (16) and for outputting command signals to the expansion valves (9) and the solenoid valves (10) associated with the inoperating indoor units to intermittently close or open the expansion valves (9), or such expansion valves (9) and the solenoid valves (10).

FIG. 1





DOCUMENTS CONSIDERED TO BE RELEVANT			EP 88102741.1
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.4)
A	<u>US - A - 4 644 756</u> (SUGIMOTO) * Fig. 1,15, belonging text * --	1,4	F 25 B 5/00 F 25 B 13/00 F 25 B 49/00 F 25 B 41/04
A	<u>US - A - 4 484 452</u> (HOUSER) * Abstract * --	1,4	
A	<u>US - A - 4 307 576</u> (TAKANO) * Fig. 1 * --	1,4	
A	<u>US - A - 4 523 435</u> (LORD) --		
A	<u>US - A - 4 499 739</u> (MATSUOKA) -----		
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int. Cl.4)
			F 25 B F 24 F
Place of search VIENNA		Date of completion of the search 30-08-1989	Examiner WITTMANN
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	