



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
27.03.2013 Bulletin 2013/13

(51) Int Cl.:
F25B 25/00 (2006.01) F25B 49/02 (2006.01)

(43) Date of publication A2:
10.12.2008 Bulletin 2008/50

(21) Application number: **08157531.8**

(22) Date of filing: **04.06.2008**

(84) Designated Contracting States:
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR
Designated Extension States:
AL BA MK RS

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(30) Priority: **04.06.2007 IT BO20070399**

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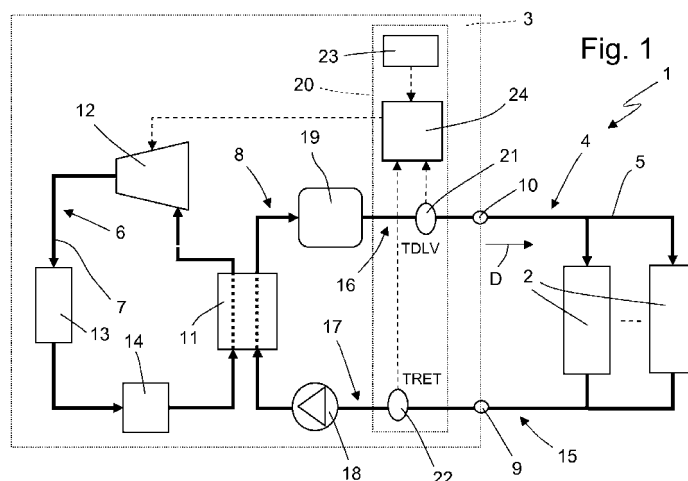
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(54) **Method for estimation the thermal load of a circuit for a service fluid at outlet from a refrigerating machine**

(57) In a refrigerating machine (3) for an air-conditioning system (1), which is provided with one or more fan coils (2) and with a hydronic circuit (15) having a delivery branch (16) for circulation of a service fluid (5) from the refrigerating machine (3) to the fan coils (2) and a return branch (17) for return of the service fluid (5) at inlet to the refrigerating machine (3), via a pair of tem-

perature sensors (21, 22), a delivery temperature (TDLV) of the service fluid (5) at outlet from the refrigerating machine (3) and a return temperature (TRET) of the service fluid (5) at inlet to the refrigerating machine (3) are measured, and the thermal load (FL) of the hydronic circuit (15) is estimated (106, 107, 109, 111) by processing, via a Kalman filter, the measurements of the delivery temperature (TDLV) and return temperature (TRET).





EUROPEAN SEARCH REPORT

Application Number
EP 08 15 7531

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Place of search Munich		Date of completion of the search 13 February 2013	Examiner Ritter, Christoph
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EPO FORM 1503 03.82 (P04C01)



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