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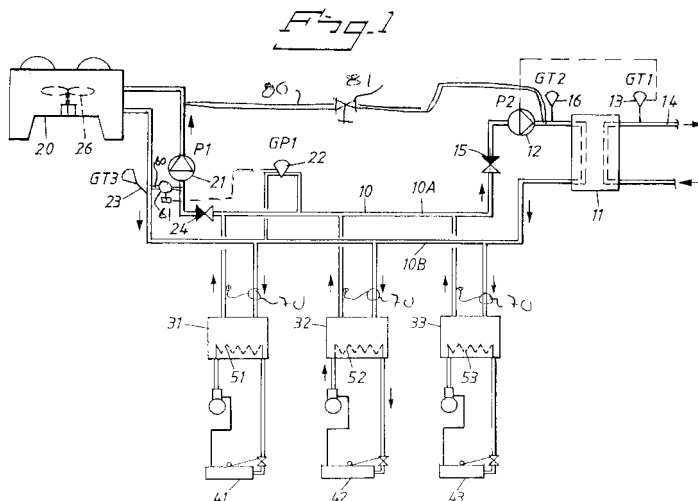
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AL BA HR LV MK YU(72) Inventor: **Asteberg, Lennart**
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116 91 Stockholm (SE)(30) Priority: **10.09.2004 SE 0402168**(71) Applicant: **Ingenjörfirman Lennart Asteberg**
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448 96 Tollered (SE)**(54) A refrigeration plant**

(57) A refrigeration plant comprising a refrigerant circuit (10) including a first pump (12), a first heat consumer (11, 14), at least two secondary heat exchangers (31-33) which are connected in parallel across conducting parts (10a, 10b) of the circuit (10) said parts (10a, 10b) being connecting to the heat consumer (11) and functioning to cool a respective heat emitting unit (51-53, 51'-53') which is through-passed by refrigerant and which belongs to at least one refrigeration plant (41'; 41-43), such as a refrigerator or freezer. The pumps (12, 21) are adapted to drive the refrigerant in mutually opposite directions such that the circuit will obtain a low pressure side (10a) and a high

pressure side (10b). The plant also includes a pressure difference sensor (22) which detects the pressure difference between the low pressure side (10a) and the high pressure side (10b). The second pump (21) is adapted to deliver a generally constant flow of refrigerant. A shunt line (60) is established between the high pressure side (10b) and the low pressure side (10a) and contains a device (61) for controlling the flow of refrigerant through the shunt line (60), wherein the flow controlling device (61) is controlled by the pressure difference sensor so as to maintain a generally constant pressure difference between the high pressure side (10b) and the low pressure side (10a).





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EUROPEAN SEARCH REPORT

Application Number
EP 05 44 5051

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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			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 November 2006	Examiner Ritter, Christoph
<p>CATEGORY OF CITED DOCUMENTS</p> <p>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</p> <p>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</p>			

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

EP 05 44 5051

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
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