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(54) Free cooling chiller

(57) Free cooling chiller (1) comprising a primary circuit (2) of a refrigerating plant, provided with an evaporator (6), a condenser group (5) and a compressor (4) and able to perform heat exchange by means of the evaporator (6) with a secondary circuit (3) for transferring refrigerating power to user appliances. The secondary circuit (3) is provided with a return line (10) intercepted by

a free cooling group (13) and a circuit for bypassing the free cooling group. The chiller (1) is provided with a support structure (14) defining a containing compartment (16) acted on by an air flow produced by a ventilation unit (15). The condenser group (5) and the free cooling group (13), which are intercepted by corresponding gate valves (17,18), communicate via separate sections with the compartment (16).

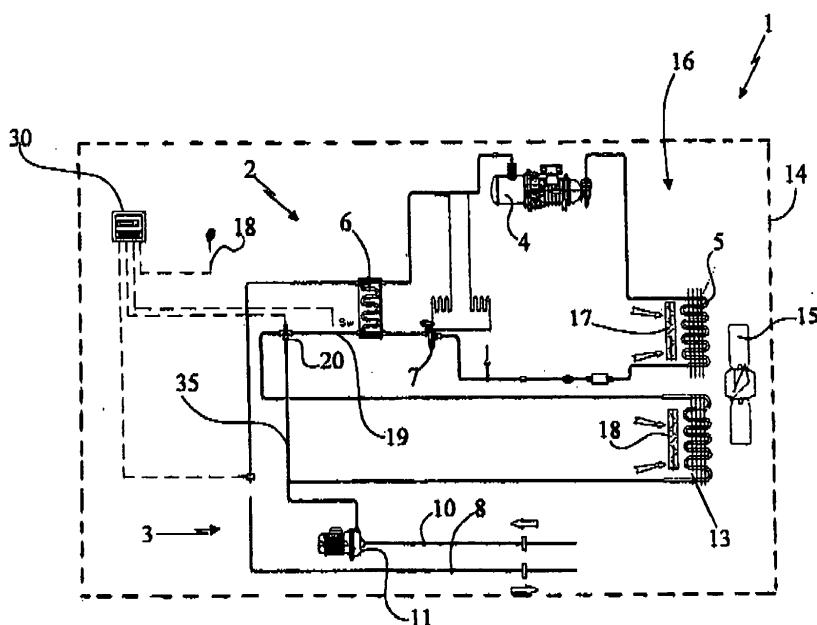


Fig. 1



EUROPEAN SEARCH REPORT

Application Number
EP 07 00 9535

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim													
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			TECHNICAL FIELDS SEARCHED (IPC)												
			F25D F25B												
<p>3 The present search report has been drawn up for all claims</p>															
<table border="1"> <tr> <td>Place of search</td> <td>Date of completion of the search</td> <td>Examiner</td> </tr> <tr> <td>Munich</td> <td>21 October 2009</td> <td>Lucic, Anita</td> </tr> <tr> <td colspan="2">CATEGORY OF CITED DOCUMENTS</td> <td> 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 </td> </tr> <tr> <td colspan="2"> 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 </td> <td></td> </tr> </table>				Place of search	Date of completion of the search	Examiner	Munich	21 October 2009	Lucic, Anita	CATEGORY OF CITED DOCUMENTS		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	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		
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ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.

EP 07 00 9535

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21-10-2009

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