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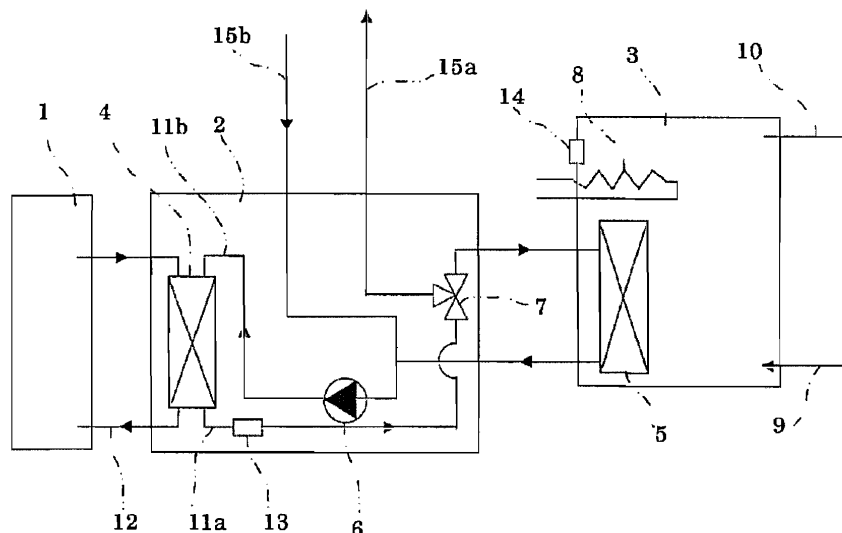
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**(54) Heat pump hydronic heater**

(57) A heat pump hydronic heater of the present invention comprises a heat pump heat source 1, a water-refrigerant heat exchanger 4 which exchanges heat between circulating water and a refrigerant heated by the heat pump heat source 1, a circulation pump 6 which circulates the circulating water heated by the water-refrigerant heat exchanger 4, a hot water tank 3 in which supply-hot water is retained, hot water supply heat ex-

changer 5 which exchanges heat between the circulating water and the supply-hot water, and control means, and the control means repeats, a plurality of times, stop of operation and restart of the operation of the heat pump heat source 1, thereby heating the supply-hot water. Therefore, even if the hot water tank 3 having an existing hot water supply heat exchanger is used, it is possible to sufficiently rise a temperature of supply-hot water in the hot water tank 3.

[Fig. 1]



**EP 2 626 640 A3**



## EUROPEAN SEARCH REPORT

Application Number  
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The present search report has been drawn up for all claims			
Place of search <b>Munich</b>		Date of completion of the search <b>6 February 2014</b>	Examiner <b>Riesen, Jörg</b>
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