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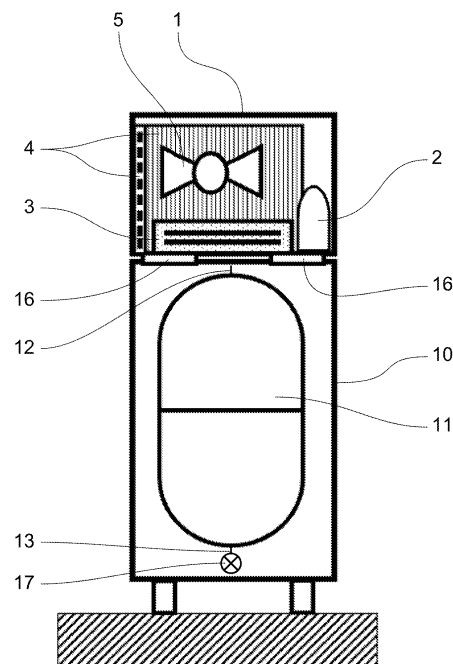
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Heat pump hot water supply apparatus

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A heat pump hot water supply apparatus comprising a heat pump unit 1 having a water refrigerant heat exchanger 3 which heats low temperature water, a hot water reservoir tank unit 10 having a hot water reservoir tank in which high temperature water heated by the water refrigerant heat exchanger 3 is stored, a water pipe 13 which sends low temperature water in a lower portion of the hot water reservoir tank to the water refrigerant heat exchanger 3, and a boiling pipe 12 which sends high temperature water heated by the water refrigerant heat exchanger 3 to an upper portion of the hot water reservoir tank, wherein the heat pump unit 1 is placed on a ceiling surface of the hot water reservoir tank unit 10, and the boiling pipe 12 is shorter than the water pipe 13. The heat pump hot water supply apparatus can be installed in an environment having a small installation space such as a detached house or an apartment in an urban area. A radiation loss from a connecting pipe can be reduced, material cost of the connecting pipe can be reduced, and the number of man-hours of a piping operation at the site of installation can be reduced.

Fig.1





EUROPEAN SEARCH REPORT

 Application Number
 EP 10 19 2556

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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X	US 4 363 221 A (SINGH KANWAL N) 14 December 1982 (1982-12-14) * column 10, line 67 - column 11, line 37; figure 3 *	1-4,6,7	
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			TECHNICAL FIELDS SEARCHED (IPC)
			F24H
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 20 June 2014	Examiner Schwaiger, Bernd
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			

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

EP 10 19 2556

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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82