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(54) A method for improving thermal efficiency of a central hot medium buffered supply installation equipped with a storage heater wherein the heat source is a low-temperature boiler heater, and the central hot medium buffered supply installation

(57) The method outlined in the invention relates to lowering the temperature of the working medium in addition to the working medium return **(b)**, in a controlled manner and dependent on the maximum temperature difference between working medium supply (**a**) and working medium return **(b)** going back to heat source **(B),** going back to the heat source **(B),** cooling thereof with a cooler medium flow going through an additional external heat exchanger **(2),** pumped by a cold medium circulation pump **(4** or **4a**) from the bottom of storage heater **(1),** filled with hot buffered medium, or from a supply connection (**1b**^{1}) feeding the storage heater tank **(1)** with buffered medium. To reduce the working medium temperature in the working medium return **(b)** going to the heat source **(B)** is controlled by a controller **(6).** The controller input signals being signals from first **(6a),** second **(6b)** and third **(6c)** temperature sensor, used to collect data from the first hydraulic circuit **(2a)** of the additional external heat exchanger **(2)** connected in parallel to the working medium return **(b)** going from storage heater **(1**) heat exchanger **(1a)** to the heat source **(B),** the second hydraulic circuit **(2b)** of additional external heat exchanger **(2),** and from the working medium supply **(a)** to the heat exchanger **(1a)** of storage heater **(1),** respectively. Quantity flow control is used for the flow of the cold medium in the process of cooling the returning working medium.

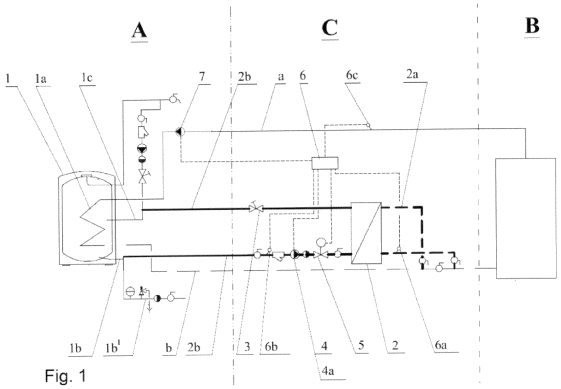

Fig. 1

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EUROPEAN SEARCH REPORT

Application Number
EP 12 18 5517

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
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The present search report has been drawn up for all claims

Place of search	Date of completion of the search	Examiner
Munich	13 November 2013	Riesen, Jörg

CATEGORY OF CITED DOCUMENTS

X : particularly relevant if taken alone
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