

Title (en)  
BOILER

Title (de)  
KESSEL

Title (fr)  
CHAUDIÈRE

Publication  
**EP 3789691 A4 20210623 (EN)**

Application  
**EP 19796904 A 20190503**

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Abstract (en)  
[origin: EP3789691A1] The present invention provides a boiler. The boiler comprises: a main heat exchanger for heating return water, which is introduced water, by means of the combustion heat of a burner; a hot water supply heat exchanger which is supplied with heating water, which is water generated by heating the return water in the main heat exchanger, and which heats direct water by means of heat exchange with the heating water to generate warm water; and an indoor heating water storage tank which is provided on a return passage through which the heating water discharged from the hot water supply heat exchanger returns to the main heat exchanger as at least a portion of the return water, and which, in order to increase the temperature of the return water supplied to the main heat exchanger, stores therein high-temperature water having a higher temperature than the heating water discharged from the hot water supply heat exchanger when the warm water is generated by the hot water supply heat exchanger.

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Citation (search report)  
• [XAI] EP 2578951 A2 20130410 - KYUNG DONG NAVIEN CO LTD [KR]  
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• [A] DE 1679677 A1 19711230 - JUNKERS & CO  
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• See also references of WO 2019212291A1

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CN116202217A; CN114688600A

Designated contracting state (EPC)  
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