

Title (en)

BOILER HAVING CHECK VALVE INTEGRATED WITH WATER PIPE LINE

Title (de)

KESSEL MIT IN DER WASSEROHRLEITUNG INTEGRIERTEM RÜCKSCHLAGVENTIL

Title (fr)

CHAUDIÈRE AYANT UN CLAPET DE RETENUE INTÉGRÉ À UNE CONDUITE D'EAU

Publication

EP 3222929 A4 20180808 (EN)

Application

EP 15860937 A 20151116

Priority

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- KR 2015012283 W 20151116

Abstract (en)

[origin: EP3222929A1] The objective of the present invention is to provide a boiler having a check valve integrated with a water pipe line, the boiler being capable of simplifying and miniaturizing the structure of a water pipe. The present invention comprises: a three-way valve for changing a heating water passage in order to supply heating water, heated in a main heat exchanger, to a place to be heated or to selectively supply the same to a heat exchanger for hot water supply; a bypass pipe connecting the three-way valve, and a heating water return pipe connecting the place to be heated and the main heat exchanger; and a check valve provided at a bypass pipe line so as to allow fluid to flow in only one direction from the three-way valve toward the heating water return pipe when a heating pipe connected to the place to be heated or a heating pipe connected to the heat exchanger for hot water supply is closed such that overpressure is generated, wherein the three-way valve, the bypass pipe and the check valve are provided in an integrated form in the same water pipe module.

IPC 8 full level

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Citation (search report)

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Designated contracting state (EPC)

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