

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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CPC (source: CN EP RU)

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Citation (search report)

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Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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