

Title (en)

BOILER, SHIP COMPRISING BOILER, AND INERT GAS GENERATION METHOD

Title (de)

KESSEL, SCHIFF MIT KESSEL UND VERFAHREN ZUR ERZEUGUNG VON INERTGAS

Title (fr)

CHAUDIÈRE, NAVIRE DOTÉ DE CHAUDIÈRE, ET PROCÉDÉ DE PRODUCTION DE GAZ INERTE

Publication

**EP 3591291 A4 20200219 (EN)**

Application

**EP 18761294 A 20180110**

Priority

- JP 2017035870 A 20170228
- JP 2018000374 W 20180110

Abstract (en)

[origin: EP3591291A1] The present invention aims to generate steam by using energy that occurs at the time of generating an inert gas. A boiler (3) includes: a furnace (16); a steam generation unit (17); an upper burner (18) that is provided in the upper portion in the furnace (16) and combusts fuel; and a lower burner (20) that is provided in the lower portion in the furnace (16), combusts the fuel, and generates an inert gas having an oxygen content of 1% or less, at which no reaction occurs with a flammable gas. A side water-cooling wall (32) and a bottom water-cooling wall (33) are provided along the furnace bottom of the furnace (16) and the side wall of the lower portion of the furnace (16), and a bottom refractory (35) and a side refractory (36) are respectively provided between the side water-cooling wall (32) and a flame formed by the lower burner (20) and between the bottom water-cooling wall (33) and the flame.

IPC 8 full level

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CPC (source: EP KR)

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Citation (search report)

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- [A] EP 2224166 A1 20100901 - MITSUBISHI HEAVY IND LTD [JP]
- [IA] ANONYMOUS: "Model XHS 2500 Inert Atmosphere Generators", 1 January 2014 (2014-01-01), XP055655752, Retrieved from the Internet <URL:http://www.moderneq.com/foundry/InertGasGenerators/heat-recovery-model-xhs-inert-atmosphere-generator.php?itemids=xhs-2500> [retrieved on 2020108]
- See references of WO 2018159106A1

Designated contracting state (EPC)

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