

Title (en)

APPARATUS INCLUDING A STEAM GENERATOR AND METHOD OF CONTROLLING THE SAME

Title (de)

VORRICHTUNG MIT DAMPFGENERATOR UND STEUERVERFAHREN DAFÜR

Title (fr)

APPAREIL COMPRENANT UN GÉNÉRATEUR DE VAPEUR ET PROCÉDÉ DE COMMANDE DE CELUI-CI

Publication

EP 3126565 B1 20180516 (EN)

Application

EP 15712648 A 20150330

Priority

- EP 14162723 A 20140331
- EP 2015056849 W 20150330

Abstract (en)

[origin: WO2015150303A1] Steam-generating apparatus (1) and method for controlling same, wherein said steam-generating apparatus (1) comprises a water reservoir (5), a boiler (6) for generating steam, a sensor (14) connected to the boiler (6) for detecting the temperature of or pressure in the boiler (6), a pump (7) configured to pump water from the reservoir (5) to the boiler (6), and a controller (15) configured to receive a signal from the sensor (14) and to control operation of the pump (7) in dependence on said signal, the controller (15) is configured to determine an amount of water within the boiler (6) and to control the pump (7) to supply water to the boiler (6) when the determined amount of water is less than a predetermined value; moreover, said controller (15) is arranged to determine the amount of water by measuring at least one time interval needed for predetermined increase in temperature or pressure of the boiler (6) and to compare the measured time interval with a predetermined value.

IPC 8 full level

D06F 75/12 (2006.01); **D06F 75/16** (2006.01); **D06F 75/26** (2006.01); **F22B 1/28** (2006.01); **F22B 35/00** (2006.01); **F22D 5/26** (2006.01)

CPC (source: EP RU US)

D06F 75/12 (2013.01 - EP RU US); **D06F 75/16** (2013.01 - US); **D06F 75/26** (2013.01 - US); **F22B 1/285** (2013.01 - EP US); **F22B 35/00** (2013.01 - EP US); **F22D 5/26** (2013.01 - US)

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

DOCDB simple family (publication)

WO 2015150303 A1 20151008; CN 106164366 A 20161123; CN 106164366 B 20190913; EP 3126565 A1 20170208; EP 3126565 B1 20180516; JP 2017511459 A 20170420; JP 6508839 B2 20190508; RU 2016142457 A 20180503; RU 2016142457 A3 20181016; RU 2675098 C2 20181214; TR 201810075 T4 20180827; US 2017016173 A1 20170119

DOCDB simple family (application)

EP 2015056849 W 20150330; CN 201580017812 A 20150330; EP 15712648 A 20150330; JP 2016559427 A 20150330; RU 2016142457 A 20150330; TR 201810075 T 20150330; US 201515123816 A 20150330