Title (en)

STEAM GENERATION DEVICE FOR AUTOMATIC WATER SUPPLY USING SELF VAPOR PRESSURE

Title (de)

DAMPFERZEUGUNGSVORRICHTUNG FÜR AUTOMATISCHE WASSERVERSORGUNG MITHILFE VON SELBSTDAMPFDRUCK

Title (fr)

DISPOSITIF DE PRODUCTION DE VAPEUR DESTINÉ À UNE ALIMENTATION EN EAU AUTOMATIQUE À L'AIDE DE SA PROPRE PRESSION DE VAPEUR

Publication

EP 2593717 A4 20160323 (EN)

Application

EP 11807000 A 20110708

Priority

- KR 20100068545 A 20100715
- KR 2011005010 W 20110708

Abstract (en)

[origin: WO2012008715A2] The present invention relates to a steam generation device for automatic water supply using self vapor pressure that continuously generates necessary steam while smoothly supplying water to a steam tank by using a self vapor pressure stored in the steam tank as well as minimizes heat loss in a process of generating steam to outside thereby reducing energy consumed in generating steam, and more particularly, to a steam generation device for automatic water supply using self vapor pressure that supplies water more smoothly through a control method of opening a water supply pressure tank only after the water supply pressure tank is supplied with sufficient vapor pressure.

IPC 8 full level

F22B 1/28 (2006.01); **F22B 33/18** (2006.01); **F22B 35/08** (2006.01); **F22B 35/12** (2006.01); **F22D 5/30** (2006.01)

CPC (source: EP US)

F22B 1/284 (2013.01 - EP US); **F22D 5/30** (2013.01 - EP US); Y02P 80/15 (2015.11 - EP US)

Citation (search report)

- [A] EP 0772000 A1 19970507 - SEB SA [FR]
- [A] WO 8903496 A1 19890420 - TERMOZETA ELETTRODOMESTICI SPA [IT]
- [A] US 3116876 A 19640107 - PALM WILLIAM W
- See references of WO 2012008715A2

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 2012008715 A2 20120119; **WO 2012008715 A3 20120405**; AU 2011277307 A1 20130207; AU 2011277307 B2 20141204; CA 2805394 A1 20120119; CN 103119363 A 20130522; CN 103119363 B 20141203; EP 2593717 A2 20130522; EP 2593717 A4 20160323; JP 2013534610 A 20130905; JP 5800900 B2 20151028; KR 101017982 B1 20110302; RU 2013105221 A 20140820; US 2013074787 A1 20130328

DOCDB simple family (application)

KR 2011005010 W 20110708; AU 2011277307 A 20110708; CA 2805394 A 20110708; CN 201180034769 A 20110708; EP 11807000 A 20110708; JP 2013519572 A 20110708; KR 20100068545 A 20100715; RU 2013105221 A 20110708; US 201113700991 A 20110708