

Title (en)

Method for operating a steam generation unit in a laundry dryer and method of operating a laundry dryer

Title (de)

Verfahren zum Betreiben einer Dampferzeugungseinheit in einem Wäschetrockner und eines Wäschetrockners

Title (fr)

Procédé pour faire fonctionner une unité de génération de vapeur dans un sèche-linge et un procédé pour faire fonctionner un sèche-linge

Publication

EP 2826909 A1 20150121 (EN)

Application

EP 13177180 A 20130719

Priority

EP 13177180 A 20130719

Abstract (en)

The invention relates to a method for operating a steam generation unit (90) in a laundry dryer (2), the laundry dryer comprising a laundry storing compartment (17) for receiving laundry (19) to be treated; a steam generation unit (90) for generating steam for laundry steam treatment, wherein the steam generation unit (90) is an inline steam generator comprising a heater (282); means for controlling the flow rate of water provided to the steam generation unit (90), wherein the supply rate for supplying water to the steam generation unit is controlled by controlling the activation of a water supply pump supplying water from a water reservoir (140), or by controlling the opening/closing of a valve (280) that is connected to a water reservoir (140) or connected to a water mains line. The method comprises: starting the control of the heater (282) for heating the steam generation unit (90), and thereafter starting the control of the water supply pump or of the valve (280); wherein after starting the control of the water supply pump or valve (280), the water supply pump or the valve is controlled according to a predetermined time sequence, in particular independent of the current operation status of the heater (282) or the current temperature of the steam generation unit (90).

IPC 8 full level

D06F 58/20 (2006.01); **D06F 58/26** (2006.01); **D06F 58/44** (2020.01)

CPC (source: EP US)

D06F 58/44 (2020.02 - EP US); **D06F 39/40** (2024.01 - EP US); **D06F 58/20** (2013.01 - EP US); **D06F 58/206** (2013.01 - EP US); **D06F 2103/32** (2020.02 - EP US); **D06F 2103/38** (2020.02 - EP US); **D06F 2103/50** (2020.02 - EP US); **D06F 2103/62** (2020.02 - EP US); **D06F 2105/02** (2020.02 - EP US); **D06F 2105/26** (2020.02 - EP US); **D06F 2105/28** (2020.02 - EP US); **D06F 2105/40** (2020.02 - EP US)

Citation (applicant)

- EP 1887127 A1 20080213 - ELECTROLUX HOME PROD CORP [BE]
- WO 2004059070 A1 20040715 - BSH BOSCH SIEMENS HAUSGERÄTE [DE], et al
- EP 1889966 B1 20120321 - WHIRLPOOL CO [US]

Citation (search report)

- [I] EP 2006432 A2 20081224 - MIELE & CIE [DE]
- [I] EP 1659205 A2 20060524 - SAMSUNG ELECTRONICS CO LTD [KR]
- [IA] DE 102008003247 A1 20080717 - LG ELECTRONICS INC [KR]
- [ID] EP 1889966 A2 20080220 - WHIRLPOOL CO [US]
- [AD] EP 1887127 A1 20080213 - ELECTROLUX HOME PROD CORP [BE]
- [AD] WO 2004059070 A1 20040715 - BSH BOSCH SIEMENS HAUSGERÄTE [DE], et al
- [A] EP 1932965 A1 20080618 - LG ELECTRONICS INC [KR]
- [A] EP 1873297 A2 20080102 - LG ELECTRONICS INC [KR]
- [IA] EP 2390404 A1 20111130 - ELECTROLUX HOME PROD CORP [BE]
- [IA] DE 102008028177 A1 20081224 - LG ELECTRONICS INC [KR]
- [IA] US 2009282696 A1 20091119 - KIM MIN-JI [KR], et al
- [IA] WO 2011074850 A2 20110623 - LG ELECTRONICS INC [KR], et al

Cited by

CN109944046A; CN110753767A; ES2725686A1; CN114672974A; CN107574643A; EP4317575A4; EP3418437A1; CN113293566A; EP4050147A3; EP3896215A1; CN113529374A; US11035066B2; WO2022207007A1; WO2018229667A1

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2826909 A1 20150121; **EP 2826909 B1 20211013**; PL 2826909 T3 20220214

DOCDB simple family (application)

EP 13177180 A 20130719; PL 13177180 T 20130719