

Title (en)

Process to control a steam unit of a domestic appliance

Title (de)

Verfahren zur Steuerung der Dampfeinheit eines Haushaltsgerätes

Title (fr)

Méthode pour le réglage d'une unité de vapeur d'un appareil électroménager

Publication

**EP 1887123 A1 20080213 (EN)**

Application

**EP 06015894 A 20060731**

Priority

EP 06015894 A 20060731

Abstract (en)

The invention relates to a process to control a steam unit (2) of a domestic appliance (1), which steam unit (2) produces water steam, especially hot or superheated water steam, which is fed to a treatment area (3), especially to a drum, and which steam unit comprises at least one steam generator (4) with a heating element and water supply means to supply water to the steam generator. The process according to the invention is characterized in that the temperature (24) of the steam generator (4), especially the surface temperature of the steam generator (4) and/or the temperature of the heating element of the steam generator, and/or the temperature of the water steam is measured, and in a normal operation the heating element of the steam generator (4) and/or the water supply means (5) are controlled in such a way that the measured temperature (24) is kept between a given lower temperature limit (30) and a given upper temperature limit (31).

IPC 8 full level

**D06F 33/00** (2006.01); **D06F 39/00** (2006.01); **F22B 1/28** (2006.01); **F22B 35/18** (2006.01); **H05B 1/02** (2006.01)

CPC (source: EP US)

**D06F 33/32** (2020.02 - EP US); **D06F 58/44** (2020.02 - EP US); **F22B 1/285** (2013.01 - EP US); **F22B 35/18** (2013.01 - EP);  
**D06F 33/47** (2020.02 - EP US); **D06F 39/40** (2024.01 - EP US); **D06F 58/203** (2013.01 - EP US); **D06F 2105/02** (2020.02 - EP US);  
**D06F 2105/10** (2020.02 - EP US); **D06F 2105/40** (2020.02 - EP US); **D06F 2105/60** (2020.02 - EP US); **D06F 2105/62** (2020.02 - EP US)

Citation (search report)

- [X] WO 2006067756 A2 20060629 - KONINKL PHILIPS ELECTRONICS NV [NL], et al
- [X] WO 0175360 A1 20011011 - IMETEC SPA [IT], et al
- [X] EP 1441175 A2 20040728 - ELECTROLUX HOME PROD CORP [BE]
- [X] EP 1659205 A2 20060524 - SAMSUNG ELECTRONICS CO LTD [KR]
- [X] US 2005092035 A1 20050505 - SHIN SOO H [KR], et al
- [EX] EP 1696067 A1 20060830 - LG ELECTRONICS INC [KR]

Cited by

WO2011020700A1; EP2287381A1; EP2562302A3; EP4356793A1; EP2287390A1; CN102471988A; US9150997B2; WO2011020707A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

**EP 1887123 A1 20080213**; **EP 1887123 B1 20110112**; AT E495295 T1 20110115; DE 602006019578 D1 20110224; ES 2359845 T3 20110527;  
PL 1887123 T3 20111031; RU 2009107220 A 20100910; RU 2442849 C2 20120220; WO 2008014924 A1 20080207

DOCDB simple family (application)

**EP 06015894 A 20060731**; AT 06015894 T 20060731; DE 602006019578 T 20060731; EP 2007006641 W 20070726; ES 06015894 T 20060731;  
PL 06015894 T 20060731; RU 2009107220 A 20070726