

Title (en)

Dryer or laundry machine with steaming device

Title (de)

Wäschetrockner oder Waschautomat mit Bedampfungseinrichtung

Title (fr)

Sèche-linge ou automate de lavage avec dispositif de vaporisation

Publication

EP 2471997 A1 20120704 (DE)

Application

EP 12001722 A 20120314

Priority

EP 12001722 A 20120314

Abstract (en)

The dryer or machine has a rotatable drum (2) for accommodating clothes. A vaporization device supplies vapor into a chamber (3) i.e. barrel, containing the drum. A controller (10) activates the vaporization device and rotates the drum in the vaporized chamber with more than 800 rotation per minute. A water supply unit supplies water into the chamber. A heater (12) heats the water present in the chamber for producing vapor in the chamber. A tank is connected with the chamber for accommodating process water. The controller supplies detergent from a detergent chamber into the chamber. An independent claim is also included for a method for operating a laundry dryer or an automatic washing machine.

Abstract (de)

Einem Wäschetrockner oder einem Waschautomaten wird Dampf in einen eine rotierbare Trommel (2) zur Aufnahme von Wäsche enthaltenden Raum (3) zugeführt. Ein Rotieren der Trommel (2) im bedampften Raum (3) mit mehr als 800 Umdrehungen pro Minute wird veranlasst. Vorzugsweise rotiert die leere Trommel (2) im bedampften Raum (3) mit mehr als 1000 Umdrehungen pro Minute.

IPC 8 full level

D06F 58/20 (2006.01); **D06F 33/43** (2020.01); **D06F 35/00** (2006.01); **D06F 58/04** (2006.01); **D06F 58/45** (2020.01)

CPC (source: EP US)

D06F 33/43 (2020.02 - EP US); **D06F 39/40** (2024.01 - EP US); **D06F 58/45** (2020.02 - EP US); **D06F 2101/20** (2020.02 - EP US); **D06F 2103/02** (2020.02 - EP US); **D06F 2103/08** (2020.02 - EP US); **D06F 2103/16** (2020.02 - EP US); **D06F 2103/32** (2020.02 - EP US); **D06F 2103/34** (2020.02 - EP US); **D06F 2103/44** (2020.02 - EP US); **D06F 2105/10** (2020.02 - EP US); **D06F 2105/46** (2020.02 - EP US)

Citation (search report)

- [IY] EP 1916325 A1 20080430 - WHIRLPOOL CO [US]
- [Y] JP H04218198 A 19920807 - TOSHIBA CORP
- [XA] US 2007261715 A1 20071115 - LEE DEUG H [KR], et al
- [A] WO 2008004801 A2 20080110 - LG ELECTRONICS INC [KR], et al
- [A] WO 2006090973 A1 20060831 - LG ELECTRONICS INC [KR], et al
- [A] DE 102009046454 A1 20110512 - BSH BOSCH SIEMENS HAUSGERAETE [DE]
- [A] JP 2003093775 A 20030402 - MATSUSHITA ELECTRIC IND CO LTD

Cited by

CN112575530A; CN109500949A; EP4328369A1; KR20140102016A; WO2019007489A1; EP2767630A1; CN103981675A; CN103981676A; JP2014151188A; AU2013219178B2; AU2013219179B2; US9896796B2; US10227722B2; US11186939B2

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 2471997 A1 20120704

DOCDB simple family (application)

EP 12001722 A 20120314