

Title (en)

CLOTHES DRYER AND METHOD OF CLEANING EVAPORATOR IN CLOTHES DRYER

Title (de)

WÄSCHETROCKNER UND VERFAHREN ZUM REINIGEN EINES VERDAMPFERS IN DEM WÄSCHETROCKNER

Title (fr)

SÈCHE-LINGE ET PROCÉDÉ DE NETTOYAGE D'UN ÉVAPORATEUR DANS UN SÈCHE-LINGE

Publication

EP 2796614 A1 20141029 (EN)

Application

EP 12859090 A 20121210

Priority

- JP 2011278088 A 20111220
- JP 2011278094 A 20111220
- JP 2012007867 W 20121210

Abstract (en)

Clothes dryer (1) of the present invention includes drying chamber (9), air passage (10), heat pump device (7) provided in air passage (10) and including condenser (3) and evaporator (5) connecting with pipe (6) to circulate a refrigerant, air blower (8) for blowing air into air passage (10), discharging unit (15) for discharging water to evaporator (5), water storage tank (13) for storing therein dehumidified water generated on evaporator (5), and controller (20). Controller (20) discharges the water from discharging unit (15) to discharge the dehumidified water stored in water storage tank (13) to evaporator (5). With this, the water which removes lint and contains a scale component adherent onto evaporator (5) is washed away with the dehumidified water stored in water storage tank (13).

IPC 8 full level

D06F 58/20 (2006.01); **D06F 58/22** (2006.01); **D06F 58/24** (2006.01); **D06F 58/30** (2020.01)

CPC (source: CN EP US)

D06F 58/206 (2013.01 - CN EP US); **D06F 58/30** (2020.02 - CN EP US); **D06F 58/22** (2013.01 - CN EP US); **D06F 58/24** (2013.01 - CN EP US)

Cited by

EP3138952A1; WO2020088847A1

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)

EP 2796614 A1 20141029; **EP 2796614 A4 20150506**; CN 104011285 A 20140827; JP WO2013094145 A1 20150427; WO 2013094145 A1 20130627

DOCDB simple family (application)

EP 12859090 A 20121210; CN 201280063272 A 20121210; JP 2012007867 W 20121210; JP 2013550098 A 20121210