

Title (en)

LAUNDRY DRYER HAVING CONDENSING APPARATUS AND METHOD OF CLEANING CONDENSING APPARATUS THEREOF

Title (de)

WÄSCHETROCKNER MIT KONDENSATIONSVORRICHTUNG UND VERFAHREN ZUR REINIGUNG DIESER
KONDENSATIONSVORRICHTUNG

Title (fr)

SÈCHE-LINGE DOTÉ D'APPAREIL DE CONDENSATION ET PROCÉDÉ ASSOCIÉ DE NETTOYAGE DE L'APPAREIL DE CONDENSATION

Publication

EP 3124687 B1 20181128 (EN)

Application

EP 16180619 A 20160721

Priority

CN 201510457008 A 20150729

Abstract (en)

[origin: EP3124687A1] The present invention provides a method of cleaning a condensing apparatus 7 of a laundry dryer 1 where the condensing apparatus 7 includes an air passage 9, a water supply apparatus 21 connected to the air passage 9, and a fan 11 that enables air 8 from a drying drum 5, 6 to pass through the air passage 9, where the air passage 9 has a turbulence apparatus 30, 31, 32 that enables the air 8 passing through the air passage 9 to generate a turbulent flow, the cleaning method which includes running a cleaning process, and the cleaning process includes: continuously supplying, by the water supply apparatus 21, water into the air passage 9; and enabling, by the control apparatus 100, the fan 11 to run, controlling a running parameter of the fan 11 to gradually increase a rotation speed of the fan 11, and at least increasing the rotation speed until partially water is lifted by air 8 and gradually converges at the turbulence apparatus 30, 31, 32. The water that converges inside the air passage 9 tumbles and surges in the air passage 9, so as to flush an inner wall 19 of the air passage 9. The invention further discloses a laundry dryer 1 capable of implementing the foregoing cleaning method.

IPC 8 full level

D06F 58/24 (2006.01); **D06F 58/20** (2006.01); **D06F 58/22** (2006.01); **D06F 25/00** (2006.01); **D06F 58/45** (2020.01)

CPC (source: CN EP US)

D06F 58/24 (2013.01 - CN EP US); **D06F 25/00** (2013.01 - CN EP US); **D06F 58/20** (2013.01 - CN EP US); **D06F 58/45** (2020.02 - CN EP US); **D06F 2103/00** (2020.02 - CN EP US); **D06F 2103/36** (2020.02 - EP US); **D06F 2105/24** (2020.02 - EP US); **D06F 2105/28** (2020.02 - CN); **D06F 2105/30** (2020.02 - CN EP US)

Cited by

CN107916524A; EP4023808A4; CN113106693A; JP2022050790A; WO2022059241A1

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 3124687 A1 20170201; **EP 3124687 B1 20181128**; CN 106400433 A 20170215; CN 106400433 B 20200710

DOCDB simple family (application)

EP 16180619 A 20160721; CN 201510457008 A 20150729