

Title (en)

LAUNDRY TREATMENT APPARATUS AND CONTROL METHOD OF LAUNDRY TREATMENT APPARATUS

Title (de)

WÄSCHEBEHANDLUNGSVORRICHTUNG UND STEUERUNGSVERFAHREN FÜR EINE WÄSCHEBEHANDLUNGSVORRICHTUNG

Title (fr)

APPAREIL DE TRAITEMENT DE LINGE ET PROCÉDÉ DE COMMANDE D'APPAREIL DE TRAITEMENT DE LINGE

Publication

EP 3336239 A1 20180620 (EN)

Application

EP 17206069 A 20171208

Priority

KR 20160172574 A 20161216

Abstract (en)

Disclosed is a control method of a laundry treatment apparatus including a drum (3) for storing laundry, a duct provided outside the drum for guiding air discharged from the drum (3) to the drum (3), a fan (75) provided in the duct (71), a heat pump (73) for performing heat exchange between air introduced into the duct (71) and a refrigerant to dehumidify and heat the air, and a temperature sensing unit for measuring the temperature of the air introduced into the duct (71), the control method including operating the fan and the heat pump (73) to supply heated air to the drum (a hot air supply step), measuring the temperature of the air discharged from the drum (3) through the temperature sensing unit (a temperature measurement step), when the temperature of the air measured by the temperature sensing unit (9) is equal to or higher than a predetermined reference temperature, measuring the amount of time for which the temperature of the air remains equal to or higher than the reference temperature (a time measurement step), and when the amount of time for which the temperature of the air remains equal to or higher than the reference temperature is equal to or greater than a reference amount of time, stopping the operation of the fan (75) and the heat pump (a hot air supply completion step).

IPC 8 full level

D06F 58/20 (2006.01); **D06F 58/28** (2006.01)

CPC (source: EP KR US)

D06F 58/44 (2020.02 - EP KR US); **D06F 58/206** (2013.01 - EP KR US); **D06F 2101/20** (2020.02 - EP KR US); **D06F 2103/08** (2020.02 - EP KR US); **D06F 2103/32** (2020.02 - EP KR US); **D06F 2103/36** (2020.02 - US); **D06F 2103/38** (2020.02 - EP KR US); **D06F 2103/50** (2020.02 - EP KR US); **D06F 2105/24** (2020.02 - US); **D06F 2105/26** (2020.02 - EP KR US); **D06F 2105/30** (2020.02 - EP KR US); **D06F 2105/46** (2020.02 - EP KR US)

Citation (applicant)

KR 20160172574 A

Citation (search report)

- [XI] WO 2016150660 A1 20160929 - BSH HAUSGERAETE GMBH [DE]
- [X] US 2012167636 A1 20120705 - NAKAMOTO SHIGE HARU [JP], et al
- [A] DE 102015205483 A1 20161103 - BSH HAUSGERAETE GMBH [DE]

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 3336239 A1 20180620; **EP 3336239 B1 20190814**; KR 20180070175 A 20180626; US 2018171536 A1 20180621

DOCDB simple family (application)

EP 17206069 A 20171208; KR 20160172574 A 20161216; US 201715842198 A 20171214