

Title (en)

LAUNDRY APPARATUS AND CONTROL METHOD THEREOF

Title (de)

WÄSCHEVORRICHTUNG UND STEUERUNGSVERFAHREN DAFÜR

Title (fr)

APPAREIL DE BLANCHISSEUR ET SON PROCÉDÉ DE COMMANDE

Publication

**EP 3640388 A1 20200422 (EN)**

Application

**EP 19203139 A 20191015**

Priority

KR 20180123451 A 20181016

Abstract (en)

Disclosed herein are a laundry apparatus for heating a drum by an induction heater and a control method thereof. According to an embodiment, the method of controlling a laundry apparatus including a tub (10), a drum and an induction heating module (27) mounted on the tub (10) to heat the drum through induction heating includes a water supply step of supplying wash water into the tub (10) through a water supply valve; and a heating step (S40) of performing heating by driving the induction heating module (27) after termination of the water supply step, wherein, in the heating step (S40), driving of the drum and driving of the induction heating module (27) are controlled to be operatively connected to each other, wherein a period for driving the drum comprises a period for driving the induction heating module (27), and the driving of the induction heating module (27) is excluded outside the period for driving the drum.

IPC 8 full level

**D06F 33/00** (2020.01); **D06F 35/00** (2006.01); **D06F 39/04** (2006.01)

CPC (source: EP KR US)

**D06F 33/00** (2013.01 - EP US); **D06F 33/34** (2020.02 - KR); **D06F 34/22** (2020.02 - US); **D06F 34/24** (2020.02 - KR); **D06F 35/006** (2013.01 - KR);  
**D06F 37/304** (2013.01 - KR US); **D06F 39/04** (2013.01 - KR US); **D06F 39/085** (2013.01 - KR); **D06F 39/087** (2013.01 - KR US);  
**D06F 39/088** (2013.01 - KR); **H05B 6/10** (2013.01 - KR); **D06F 35/006** (2013.01 - EP); **D06F 39/04** (2013.01 - EP); **D06F 2103/16** (2020.02 - KR);  
**D06F 2103/18** (2020.02 - KR); **D06F 2103/24** (2020.02 - KR); **D06F 2105/10** (2020.02 - KR); **D06F 2204/04** (2022.02 - EP);  
**D06F 2204/06** (2022.02 - EP); **D06F 2220/00** (2022.02 - EP)

Citation (applicant)

KR 20170101332 A 20170906 - KIM YONG SOO [KR]

Citation (search report)

- [XP] WO 2019164244 A1 20190829 - LG ELECTRONICS INC [KR]
- [XA] DE 102008043281 A1 20100506 - BSH BOSCH SIEMENS HAUSGERAETE [DE]
- [XA] EP 3246451 A1 20171122 - MIELE & CIE [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 3640388 A1 20200422**; KR 20200042819 A 20200424; US 2020115838 A1 20200416; WO 2020080750 A1 20200423

DOCDB simple family (application)

**EP 19203139 A 20191015**; KR 20180123451 A 20181016; KR 2019013343 W 20191011; US 201916654507 A 20191016