

Title (en)  
WASHING MACHINE AND CONTROL METHOD THEREFOR

Title (de)  
WASCHMASCHINE UND STEUERUNGSVERFAHREN DAFÜR

Title (fr)  
MACHINE À LAVER ET PROCÉDÉ DE COMMANDE ASSOCIÉ

Publication  
**EP 4190962 A4 20230621 (EN)**

Application  
**EP 21865827 A 20210819**

Priority  

- CN 202010947652 A 20200910
- CN 202010947635 A 20200910
- CN 2021113472 W 20210819

Abstract (en)  
[origin: EP4190962A1] A washing machine and a control method thereof are provided. The washing machine includes: a housing (1); an inner drum (5) disposed within the housing (1); an electromagnetic heating coil (8) disposed within the housing (1); and an electromagnetic induction coil (18) located at a position opposite to the electromagnetic heating coil (8). The washing machine utilizes a principle of electromagnetic heating to determine the temperature of water inside the inner drum (5) by means of the mutual electromagnetic induction change between the electromagnetic heating coil (8) and the electromagnetic induction coil (18), thereby reducing arrangement of a temperature sensor, simplifying the structure of the washing machine and reducing the cost of the washing machine.

IPC 8 full level  
**D06F 34/24** (2020.01); **D06F 39/04** (2006.01); **D06F 23/02** (2006.01); **D06F 33/36** (2020.01); **D06F 103/24** (2020.01); **D06F 105/28** (2020.01)

CPC (source: EP)  
**D06F 33/36** (2020.02); **D06F 34/24** (2020.02); **D06F 39/04** (2013.01); **D06F 23/025** (2013.01); **D06F 2103/24** (2020.02)

Citation (search report)  

- [Y] EP 3674470 A1 20200701 - LG ELECTRONICS INC [KR]
- [Y] CN 208995796 U 20190618 - CAO WENBIN
- [A] US 2019352838 A1 20191121 - LIM TAE-HOON [KR]
- [A] CN 110387697 A 20191029 - QINGDAO HAIER DRUM WASHING MACHINE CO LTD
- See references of WO 2022052771A1

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

Designated validation state (EPC)  
KH MA MD TN

DOCDB simple family (publication)  
**EP 4190962 A1 20230607; EP 4190962 A4 20230621; WO 2022052771 A1 20220317**

DOCDB simple family (application)  
**EP 21865827 A 20210819; CN 2021113472 W 20210819**