

Title (en)
WASHING MACHINE AND CONTROL METHOD OF THE SAME

Title (de)
WASCHMASCHINE UND STEUERUNGSVERFAHREN DAFÜR

Title (fr)
LAVE-LINGE ET PROCÉDÉ DE COMMANDE ASSOCIÉ

Publication
EP 3701074 A4 20201021 (EN)

Application
EP 18892427 A 20181219

Priority
• JP 2017246311 A 20171222
• KR 20180105965 A 20180905
• KR 2018016276 W 20181219

Abstract (en)
[origin: KR20190076827A] Provided is a washing machine capable of properly determining the presence of waterproof clothes. The washing machine of the present invention comprises: a cabinet; an outer tank elastically supported inside the cabinet; an inner tank rotatably provided in a water tank; a motor for rotating the inner tank; a vibration sensor provided in the outer tank; a rotation sensor provided in the motor; and a control unit electrically connected to the vibration sensor, the rotation sensor, and the motor, and controlling the rotation speed of the motor on the basis of the vibration of the outer tank sensed by the vibration sensor and the rotation of the motor sensed by the rotation sensor.

IPC 8 full level
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CPC (source: EP KR)
D06F 33/40 (2020.02 - KR); **D06F 33/48** (2020.02 - EP KR); **D06F 34/16** (2020.02 - KR); **D06F 34/18** (2020.02 - KR); **D06F 37/24** (2013.01 - KR); **D06F 37/304** (2013.01 - KR); **D06F 37/36** (2013.01 - KR); **D06F 37/40** (2013.01 - KR); **D06F 23/04** (2013.01 - EP); **D06F 33/40** (2020.02 - EP); **D06F 37/203** (2022.02 - EP); **D06F 37/24** (2013.01 - EP); **D06F 37/40** (2013.01 - EP); **D06F 2103/06** (2020.02 - KR); **D06F 2103/24** (2020.02 - KR); **D06F 2103/26** (2020.02 - EP KR); **D06F 2105/48** (2020.02 - EP KR); **D06F 2202/12** (2022.02 - EP); **D06F 2204/065** (2022.02 - EP)

Citation (search report)
• [X] EP 2597187 A1 20130529 - PANASONIC CORP [JP]
• [X] JP 5784532 B2 20150924
• [A] JP 5380320 B2 20140108
• [A] EP 2520700 A1 20121107 - SAMSUNG ELECTRONICS CO LTD [KR]
• See references of WO 2019124989A1

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)
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EP 3701074 A1 20200902; EP 3701074 A4 20201021; EP 3701074 B1 20211103; JP 2019111073 A 20190711; JP 7042078 B2 20220325; KR 102639687 B1 20240223; KR 20190076827 A 20190702

DOCDB simple family (application)
EP 18892427 A 20181219; JP 2017246311 A 20171222; KR 20180105965 A 20180905