

Title (en)
WASHING MACHINE AND CONTROL METHOD THEREOF

Title (de)
WASCHMASCHINE UND STEUERUNGSVERFAHREN DAFÜR

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

Publication
EP 3887589 A1 20211006 (EN)

Application
EP 20776565 A 20200325

Priority
• JP 2019061480 A 20190327
• KR 2020004033 W 20200325

Abstract (en)
[origin: WO2020197252A1] A washing machine includes a drum accommodating laundry, a motor configured to rotate the drum, a speed sensor configured to detect a rotational speed of the drum, and a processor. The processor configured to: determine a mass of the laundry corresponding to each of a first acceleration section and a second acceleration section based on the rotational speed detected by the speed sensor, and control the motor such that an absolute value of the rotational speed at a start time of the first acceleration section is substantially the same as an absolute value of a rotational speed at a start time of the second acceleration section. A rotational direction of the drum corresponding to the rotational speed at the start time of the first acceleration section is opposite to a rotational direction of the drum corresponding to the rotational speed at the start time of the second acceleration section.

IPC 8 full level
D06F 34/18 (2020.01); **D06F 33/48** (2020.01); **D06F 34/16** (2020.01); **D06F 37/30** (2020.01)

CPC (source: EP KR)
D06F 21/02 (2013.01 - KR); **D06F 33/48** (2020.02 - KR); **D06F 34/16** (2020.02 - KR); **D06F 34/18** (2020.02 - EP KR);
D06F 37/304 (2013.01 - KR); **D06F 37/34** (2013.01 - KR); **D06F 34/16** (2020.02 - EP); **D06F 37/34** (2013.01 - EP); **D06F 2103/04** (2020.02 - KR);
D06F 2103/24 (2020.02 - EP KR); **D06F 2103/46** (2020.02 - KR); **D06F 2105/48** (2020.02 - EP KR)

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)
WO 2020197252 A1 20201001; EP 3887589 A1 20211006; EP 3887589 A4 20220126; EP 3887589 B1 20230628; JP 2020156905 A 20201001;
JP 7426197 B2 20240201; KR 20200115124 A 20201007

DOCDB simple family (application)
KR 2020004033 W 20200325; EP 20776565 A 20200325; JP 2019061480 A 20190327; KR 20200026081 A 20200302