

Title (en)
WASHING MACHINE AND CONTROLLING METHOD THEREOF

Title (de)
WASCHMASCHINE UND STEUERUNGSVERFAHREN DAFÜR

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

Publication
EP 2422008 A4 20131030 (EN)

Application
EP 10767212 A 20100225

Priority

- KR 2010001189 W 20100225
- KR 20090034971 A 20090422

Abstract (en)
[origin: WO2010123197A1] A washing machine and a controlling method of the same are disclosed. A washing machine includes a cabinet (10) defining an exterior appearance thereof, a tub (20) provided in the cabinet (10), the tub (20) receiving wash water therein, a drum (30) rotatable inside the tub (20), the drum (30) receiving laundry therein, a plurality of sensor members (100,102,104,112,116,120,130) installed in at least one of the drum (30) and tub (20), each of the sensor members (100,102,104,112,116,120,130) sensing the distance between the drum (30) and the tub (20), and a control part controlling the drum (30) based on a sensing value sensed by the sensor members (100,102,104,112,116,120,130). An object of the present invention is to provide a washing machine having a secured tub (20) that is able to prevent collision between a drum (30) and the tub (20), and a controlling method thereof.

IPC 8 full level
D06F 33/02 (2006.01); **D06F 37/20** (2006.01)

CPC (source: EP KR US)
D06F 33/47 (2020.02 - EP KR US); **D06F 34/20** (2020.02 - KR); **D06F 37/06** (2013.01 - KR); **D06F 37/28** (2013.01 - KR);
D06F 37/36 (2013.01 - EP KR US); **D06F 34/20** (2020.02 - EP US); **D06F 2103/00** (2020.02 - EP KR US); **D06F 2105/48** (2020.02 - EP KR US);
Y02B 40/00 (2013.01 - KR)

Citation (search report)

- [X] GB 2361715 A 20011031 - NOTETRY LTD [GB], et al
- [A] EP 1602770 A2 20051207 - SAMSUNG ELECTRONICS CO LTD [KR]
- [A] DE 19948622 A1 20000504 - ELBI INT SPA [IT]
- [A] WO 2007031821 A1 20070322 - INDESIT CO SPA [IT], et al
- See references of WO 2010123197A1

Citation (examination)
EP 1118703 A1 20010725 - TOSHIBA KK [JP]

Designated contracting state (EPC)
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 SE SI SK SM TR

DOCDB simple family (publication)
WO 2010123197 A1 20101028; EP 2422008 A1 20120229; EP 2422008 A4 20131030; KR 20100116325 A 20101101;
US 2012017646 A1 20120126

DOCDB simple family (application)
KR 2010001189 W 20100225; EP 10767212 A 20100225; KR 20090034971 A 20090422; US 201013259538 A 20100225