

Title (en)

Balancer, balancer housing, washing machine having the same and control method thereof

Title (de)

Ausgleichssystem, Gehäuse für Ausgleichssystem, Waschmaschine damit und Steuerungsverfahren dafür

Title (fr)

Équilibreur, boîtier d'équilibrage, machine à laver possédant ce dispositif et procédé de commande correspondant

Publication

EP 2671995 B1 20150114 (EN)

Application

EP 13170887 A 20130606

Priority

- KR 20120061185 A 20120607
- KR 20120061186 A 20120607
- KR 20120124573 A 20121106
- KR 20130055643 A 20130516

Abstract (en)

[origin: EP2671995A1] Washing machine (1) including a rotary drum (30) and a balancer (100) to counterbalance an unbalanced load generated in the rotary drum (30). The balancer (100) includes a balancer housing (110) mounted to the rotary drum (30), and a balancing module (200a, 200b) having a moving unit (220) to move inside the balancer housing (110). The balancer housing (110) includes an electrode (111, 112) provided at an inner surface of the balancer housing (110) in a circumferential direction thereof in order to transmit electric power to the moving unit (220) of the balancing module (200a, 200b), an electric wire (122) electrically connected to the electrode (111, 112) in order to apply electric power from an external power source to the electrode (111, 112), and a connector (120) provided at an outer surface of the balancer housing (110) in order to electrically connect the electric wire (122) and the electrode (111, 112).

IPC 8 full level

D06F 37/22 (2006.01); **D06F 33/48** (2020.01); **D06F 34/16** (2020.01); **D06F 37/24** (2006.01)

CPC (source: EP US)

D06F 33/48 (2020.02 - EP US); **D06F 34/16** (2020.02 - EP US); **D06F 37/225** (2013.01 - EP US)

Cited by

EP3008235A4; US10487438B2; CN111962260A; EP3158122A4; EP3158121A4; EP3158120A4; US10934658B2; US10087564B2; US10011938B2; WO2020256654A1; WO2020256651A1; WO2020256652A1; WO2020256650A1; WO2015199312A1; WO2015199405A1; US9617676B2; US9951455B2; EP3594401A1; AU2019204701B2; EP3919667A1; EP4249664A3; US11365500B2; US11761135B2; US11879199B2; US11891743B2; US11913157B2

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DOCDB simple family (publication)

EP 2671995 A1 20131211; **EP 2671995 B1 20150114**; EP 2671996 A1 20131211; EP 2671996 B1 20150114; EP 2853631 A1 20150401; EP 2853631 B1 20160817; EP 2857571 A1 20150408; EP 2857571 B1 20170405; PL 2671995 T3 20150731; PL 2671996 T3 20150630

DOCDB simple family (application)

EP 13170887 A 20130606; EP 13170891 A 20130606; EP 14195540 A 20130606; EP 14199070 A 20130606; PL 13170887 T 20130606; PL 13170891 T 20130606