

Title (en)
Washing machine and control method thereof

Title (de)
Waschmaschine und Steuerungsverfahren dafür

Title (fr)
Machine à laver et son procédé de contrôle

Publication
EP 1983086 A3 20091223 (EN)

Application
EP 07121896 A 20071129

Priority
KR 20070037233 A 20070417

Abstract (en)
[origin: EP1983086A2] Disclosed herein are a washing machine and a control method thereof that are capable of improving the deodorization efficiency without the provision of an additional unit. The washing machine includes a water supply unit (40), a rotary tub (30), a water tub (20), a first heater (15) mounted in the water tub to generate steam necessary to humidify an object to be deodorized, and a blowing unit (60) to suction air from the outside of the water tub and supply the suctioned air into the rotary tub. Consequently, it is possible to humidify the object using the first heater, located at the bottom of the water tub, whereby the manufacturing costs of the washing machine are reduced. Also, air, introduced from the outside of the water tub, is supplied to the object, whereby the deodorization efficiency is improved.

IPC 8 full level
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CPC (source: EP KR US)
D06F 25/00 (2013.01 - EP US); **D06F 33/65** (2020.02 - KR); **D06F 39/04** (2013.01 - KR); **D06F 39/08** (2013.01 - KR); **D06F 58/30** (2020.02 - KR); **D06F 2103/62** (2020.02 - KR); **D06F 2105/40** (2020.02 - KR)

Citation (search report)

- [XA] WO 2007024050 A1 20070301 - LG ELECTRONICS INC [KR], et al
- [A] EP 1600545 A1 20051130 - SAMSUNG ELECTRONICS CO LTD [KR]
- [A] DE 102005046163 A1 20070329 - BSH BOSCH SIEMENS HAUSGERAETE [DE]

Cited by
WO2012019890A1; EA018639B1; JP2022026391A; DE102010039182A1; EA022195B1; DE102015107500A1; US9580860B2; US8549770B2; WO2010031675A1; US9217219B2; US9284678B2; US8245415B2; US8661706B2; EP2342378B1

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