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 2868792 B1 20190724 (EN)

Application
EP 14178420 A 20140724

Priority
KR 20130132033 A 20131101

Abstract (en)
[origin: EP2868792A1] A washing machine includes a tub (20), a drum (30) rotatably installed at an inside of the tub (20), a drying unit (80) including a blowing fan (84b) suctioning air inside of the tub 820) and the drum (30), and a drying heater (82) heating the air inside of the tub and the drum, a lint filter (85b) filtering foreign substances contained in the suctioned air, and a control unit turning on/off the drying heater (82) and the blowing fan (84b) according to a temperature of a drying duct. If the drying heater (82) is turned off, the control unit determines whether the lint filter (85b) is blocked based on the temperature of the drying duct, the temperature of the tub (20) and the turning-on time of the drying heater (82), and washes the lint filter by determining whether the lint filter (85b) is blocked. The washing of the lint filter (85b) during the drying cycle allows the lint filter to be washed without performing a washing cycle, a rinsing cycle, or a spin cycle, and the air to be circulated between a drying duct and a tub.

IPC 8 full level
D06F 25/00 (2006.01); **D06F 58/50** (2020.01)

CPC (source: EP US)
D06F 58/50 (2020.02 - EP US); D06F 25/00 (2013.01 - EP US); D06F 58/22 (2013.01 - EP US); D06F 2103/08 (2020.02 - EP US); D06F 2103/32 (2020.02 - EP US); D06F 2103/36 (2020.02 - EP US); D06F 2103/38 (2020.02 - EP US); D06F 2105/24 (2020.02 - EP US); D06F 2105/28 (2020.02 - EP US)

Cited by
CN114875634A; CN110373854A; CN114232297A; EP3190226A1; US11085144B2; US11028523B2; WO2020249073A1; WO2020216247A1

Designated contracting state (EPC)
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