

Title (en)

Structure for supplying hot air for drying clothes in drum type washing machine and operation control method thereof

Title (de)

Zuführvorrichtung für Heissluft zum Trocknen von Wäsche in einer Trommelwaschmaschine und Verfahren zur Steuerung

Title (fr)

Dispositif d'alimentation d'air chaud pour séchage du linge dans une machine à laver à tambour et procédé de commande associé

Publication

**EP 1577433 A3 20081119 (EN)**

Application

**EP 05250882 A 20050216**

Priority

- KR 20040010412 A 20040217
- KR 20040010413 A 20040217

Abstract (en)

[origin: EP1577433A2] Structure for supplying hot air to a drum washing machine, and operation control method thereof, in which uniform introduction of hot air deep into an inside of a drum is made possible for enhancing drying capability and efficiency. For this, a drum washing machine includes a tub (20) for holding washing water, a drum (30) rotatably mounted in the tub, for introducing laundry therein, a drying heater (61) for heating air being supplied to an inside of the drum, a drying duct (60) forming a flow passage for supplying hot air heated by the drying heater to the inside of the drum, a fan (62) for forced supply of the hot air heated by the drying heater to the inside of the drum, a hot air inlet (60a) at a front side of the drum for supplying the hot air to the inside of the drum, and a humid air recovery opening (60b) at a rear side of the drum for recovering humid air from the inside of the drum, and the operation control method of a drum washing machine includes the step of supplying hot air to an inside of the drum while rotating the drum at a speed equal to, or higher than a speed enough to keep the laundry in the drum attached to, and not fall off from, the inside surface of the drum in progressing a drying cycle.

IPC 8 full level

**D06F 25/00** (2006.01); **D06F 58/24** (2006.01); **D06F 58/28** (2006.01)

CPC (source: EP US)

**D06F 25/00** (2013.01 - EP US); **D06F 58/38** (2020.02 - EP US); **D06F 2103/08** (2020.02 - EP US); **D06F 2103/10** (2020.02 - EP US); **D06F 2105/46** (2020.02 - EP US); **D06F 2105/48** (2020.02 - EP US)

Citation (search report)

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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR LV MK YU

DOCDB simple family (publication)

**EP 1577433 A2 20050921**; **EP 1577433 A3 20081119**; **EP 1577433 B1 20130403**; **EP 1577433 B2 20151125**; AU 2005200711 A1 20050901; AU 2005200711 B2 201111006; CN 100487181 C 20090513; CN 1657683 A 20050824; US 2005188471 A1 20050901

DOCDB simple family (application)

**EP 05250882 A 20050216**; AU 2005200711 A 20050217; CN 200510007772 A 20050217; US 5841905 A 20050216