

Title (en)
Washer/dryer and relevant operating cycle

Title (de)
Wasch-/Trockenvorrichtung und entsprechender Betriebszyklus

Title (fr)
Machine à laver/sécher et cycle de fonctionnement associé

Publication
EP 2108730 B1 20100728 (EN)

Application
EP 08425240 A 20080410

Priority
EP 08425240 A 20080410

Abstract (en)
[origin: EP2108730A1] A washer/dryer has a drying circuit in which air circulates between a wash tank and a condensing duct (C) under the action of a fan (F), is heated by a resistor (R) and the air temperature downstream from said resistor (R) is detected by at least a first temperature sensor (S3) prior to introducing it into said tank; such a machine further includes a second temperature sensor suitable to detect the air temperature in the tank and a third temperature sensor (S2) suitable to detect the air temperature at the outlet of the condensing duct (C), all three temperature sensors being operatively connected to a control unit that controls the operation of the resistor (R) and the introduction of condensing fluid into the condensing duct (C). These sensors allow to achieve a feedback operation of the drying cycle thus maintaining the optimum temperature conditions at the various points in the circuit, so as to increase the condensing effectiveness and decrease the drying time, with a subsequently lower consumption of power and condensing fluid.

IPC 8 full level
D06F 33/32 (2020.01); **D06F 34/08** (2020.01); **D06F 58/24** (2006.01)

CPC (source: EP US)
D06F 33/32 (2020.02 - EP US); **D06F 34/08** (2020.02 - EP US); **D06F 2103/32** (2020.02 - EP US); **D06F 2105/28** (2020.02 - EP US)

Cited by
EP2554740A3; EP2570548A1; CN114775216A; US9657432B2; US10407818B2; US9080283B2

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DOCDB simple family (publication)
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