

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

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**EP 2108730 A1 20091014**; **EP 2108730 B1 20100728**; AT E475740 T1 20100815; DE 602008001966 D1 20100909; ES 2348351 T3 20101203; PL 2108730 T3 20101231

DOCDB simple family (application)  
**EP 08425240 A 20080410**; AT 08425240 T 20080410; DE 602008001966 T 20080410; ES 08425240 T 20080410; PL 08425240 T 20080410