

Title (en)  
Laundry washing and drying machine

Title (de)  
Waschmaschine und Trockner

Title (fr)  
Machine à laver et sécher le linge

Publication  
**EP 2189568 A1 20100526 (EN)**

Application  
**EP 08169589 A 20081121**

Priority  
EP 08169589 A 20081121

Abstract (en)  
Laundry washing and drying machine (1) comprising a casing (2) and, inside the casing, a laundry container (3, 6) for housing the laundry to be washed and dried, and a heat-pump-type, hot-air generator (10) able to circulate a stream of hot air inside said laundry container (3, 6), and to heat up the washing water supplied to said laundry container (3, 6); the hot-air generator (10) comprising a heat-pump assembly (21) which is provided with a first air/refrigerant heat exchanger (23) which is located along the air recirculating conduit (19) for heating up the airflow (f) directed to the laundry container (3, 6); with a second water/refrigerant heat exchanger (24) which is located out of the air recirculating conduit (19), and heats up or cools down the water arriving from the laundry container (3, 6); with a third air/water heat exchanger (25) which is located along the air recirculating conduit (19), upstream of the first air/refrigerant heat exchanger (23), for cooling the airflow (f) arriving from the laundry container (3, 6); with a water circulation circuit (26) for circulating the water stored into the laundry container (3, 6) through the second water/refrigerant heat exchanger (24) and the third air/water heat exchanger (25); and with a hydraulic distributor (28) for reversing, on command, the flow of the refrigerant along the first air/refrigerant heat exchanger (23), the refrigerant expansion device (27) and the second water/refrigerant heat exchanger (24).

IPC 8 full level  
**D06F 58/20** (2006.01); **D06F 39/04** (2006.01)

CPC (source: EP US)  
**D06F 39/04** (2013.01 - EP US); **D06F 58/206** (2013.01 - 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 HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA MK RS

DOCDB simple family (publication)  
**EP 2189568 A1 20100526; EP 2189568 B1 20120104**; AT E540154 T1 20120115; BR PI0920911 A2 20151229; CN 102272373 A 20111207; CN 102272373 B 20130327; US 2012272689 A1 20121101; WO 2010057547 A1 20100527

DOCDB simple family (application)  
**EP 08169589 A 20081121**; AT 08169589 T 20081121; BR PI0920911 A 20090903; CN 200980153215 A 20090903; EP 2009006394 W 20090903; US 200913130334 A 20090903