

Title (en)
Home laundry drier

Title (de)
Wäschetrockner für den Haushalt

Title (fr)
Sèche-linge domestique

Publication
EP 2014821 A1 20090114 (EN)

Application
EP 07112495 A 20070713

Priority
EP 07112495 A 20070713

Abstract (en)
A home laundry drier (1) provided with a laundry container (3,5) for housing the laundry to be dried, and with a hot-air generator (7) for circulating a stream of hot air into the laundry container (3,5); the hot-air generator (7) comprising an air recirculating conduit (8) connected at both ends to the laundry container (3,5), and a heat exchanger (10) located along the recirculating conduit (8) to cool the airflow (f) from the laundry container (3,5) and condense the surplus moisture in the airflow (f) ; the heat exchanger (10) being provided with a water canister (14) which collects the distilled water produced by condensation of the surplus moisture in the airflow (f) from the laundry container (3,5), with an in-pressure electric boiler (15) located above the heat exchanger (10) and connected to the recirculating conduit (8), with a electric pump (16) located above the water canister (14) and capable to suck the distilled water from the water canister (14) and to pipe it to the electric-boiler (15), and with a central control unit (12) which determines the flow rate of the steam coming out from the electric boiler (15) and controls the electric pump (16) so as that the flow rate of the water supplied to the electric boiler (15) is almost equal to the flow rate of the steam coming out from the electric boiler (15).

IPC 8 full level
D06F 58/20 (2006.01)

CPC (source: EP US)
D06F 58/203 (2013.01 - EP US); **D06F 58/24** (2013.01 - EP US); **D06F 58/20** (2013.01 - EP US)

Citation (applicant)
• EP 1441059 A1 20040728 - ELECTROLUX HOME PROD CORP [BE]
• US 3869815 A 19750311 - BULLOCK NORMAN J
• US 4519145 A 19850528 - MANDEL SHELDON W [US]
• US 2007006484 A1 20070111 - MOSCHUETZ HARALD [DE], et al

Citation (search report)
• [X] EP 1441059 A1 20040728 - ELECTROLUX HOME PROD CORP [BE]
• [A] US 2007006484 A1 20070111 - MOSCHUETZ HARALD [DE], et al
• [A] US 3869815 A 19750311 - BULLOCK NORMAN J
• [A] US 4519145 A 19850528 - MANDEL SHELDON W [US]

Cited by
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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 LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK RS

DOCDB simple family (publication)
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DOCDB simple family (application)
EP 07112495 A 20070713; AT 07112495 T 20070713; DE 602007010918 T 20070713; EP 2008005699 W 20080711; ES 07112495 T 20070713; PL 07112495 T 20070713; RU 2010105035 A 20080711