Title (en)
    Home laundry drier

Title (de)
    Wäschetrockner für den Haushalt

Title (fr)
    Sèche-linge domestique

Publication
    EP 2014821 B1 20101201 (EN)

Application
    EP 07112495 A 20070713

Priority
    EP 07112495 A 20070713

Abstract (en)
    [origin: EP2014821A1] A home laundry drier (1) provided with a laundry oontainer (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)

Cited by
    US8256136B2

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

DOCDB simple family (publication)
    EP 2014821 A1 20090114; **EP 2014821 B1 20101201**; AT E490366 T1 20101215; DE 602007010918 D1 20110113; ES 2356141 T3 20110405; PL 2014821 T3 20110729; RU 2010105035 A 20110820; RU 2501897 C2 20131220; WO 2009010245 A1 20090122

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