

Title (en)

Home laundry drier

Title (de)

Haushaltswäschetrockner

Title (fr)

Séchoir à linge pour usage domestique

Publication

EP 2060671 B1 20100630 (EN)

Application

EP 07121051 A 20071119

Priority

EP 07121051 A 20071119

Abstract (en)

[origin: EP2060671A1] A home laundry drier (1) comprising an outer box casing (2) and, inside the casing, a laundry drying drum (3) for housing the laundry to be dried, and a hot-air generator (7) for circulating a stream of hot air inside the drying drum (3); the hot-air generator (7) comprising an air recirculating conduit (8) connected at both ends to the laundry drying drum (3), and a heat-pump assembly (10) which is able to rapidly cool the airflow (f) coming out from the drying drum (3) for condensing the surplus moisture in said airflow (f), and then to rapidly heat the airflow (f) returning back into the drying drum (3); the heat-pump assembly (10) using the carbon dioxide as refrigerant, and being designed to maintain the whole refrigerant in a gaseous state in all the thermodynamic transformations making up the closed thermodynamic cycle performed by the heat-pump assembly (10).

IPC 8 full level

D06F 58/20 (2006.01)

CPC (source: EP US)

D06F 58/206 (2013.01 - EP US); **D06F 58/02** (2013.01 - EP US); **D06F 58/20** (2013.01 - EP US); **F25B 9/008** (2013.01 - EP); **F25B 2309/061** (2013.01 - EP)

Cited by

EP2527518A1; EP2527519A1; EP2527520A1; EP2527521A1; EP2551402A1; EP2592184A1; EP2551401A1; EP2527522A1; US2014020257A1; WO2013014145A1; WO2013014137A1; EP2147999A1

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DOCDB simple family (publication)

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EP 07121051 A 20071119; AT 07121051 T 20071119; DE 602007007489 T 20071119; EP 2008009699 W 20081117; PL 07121051 T 20071119; RU 2010124943 A 20081117