

Title (en)

Home laundry drier

Title (de)

Haushaltswäschetrockner

Title (fr)

Séchoir à linge pour usage domestique

Publication

EP 2123823 B1 20110720 (EN)

Application

EP 08156769 A 20080522

Priority

EP 08156769 A 20080522

Abstract (en)

[origin: EP2123823A1] A home laundry drier (1) comprising an outer casing (2) and, inside the casing, a laundry drying container (3) for housing the laundry to be dried, and a hot-air generator (7, 17) for circulating a stream of hot air inside the laundry drying container (3); said hot-air generator (7, 17) comprising an air circulating conduit (8, 8b) through which an airflow (f) of hot, moist air is channeled out of said laundry drying container (3), and at least a first air/air heat exchanger (10, 13) located along said first air circulating conduit (8, 8b) to cool the airflow (f) from the laundry drying container (3) and condense the surplus moisture in said airflow (f); said first air/air heat exchanger (13) being designed so as to generate, by chimney effect, a natural ascensional convective current (g) of cold air from outside the casing (2) and which flows through the first air/air heat exchanger (13) together with the airflow (f) from the laundry drying container (3), so that the cold air ascensional convective current (g) cools the airflow (f) from said laundry drying container (3) to condense at least part of the surplus moisture inside said hot airflow (f).

IPC 8 full level

D06F 58/24 (2006.01)

CPC (source: EP US)

D06F 58/20 (2013.01 - EP US); **D06F 58/24** (2013.01 - EP US)

Cited by

CN102889756A; CN102337665A; CN103868274A; CN105780432A; EP2573253A1; CN103827385A; WO2013045316A1

Designated contracting state (EPC)

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