

Title (en)

A THERMOELECTRIC HEAT PUMP LAUNDRY DRYER

Title (de)

WÄSCHETROCKNER MIT THERMOELEKTRISCHER WÄRMEPUMPE

Title (fr)

SÈCHE-LINGE À POMPE À CHALEUR THERMOÉLECTRIQUE

Publication

EP 2576888 A1 20130410 (EN)

Application

EP 11723080 A 20110606

Priority

- TR 201004566 A 20100607
- EP 2011059249 W 20110606

Abstract (en)

[origin: WO2011154336A1] The present invention relates to a laundry dryer (1) comprising drum (2) wherein the laundry is placed, a drying duct (3) wherein the process air is circulated, a fan (4) providing the circulation of process air in the drying duct (3), a heater (5) that heats the process air, a condenser (6) providing the dehumidification of the process air and a thermoelectric heat pump (7) disposed in the drying duct (3), having a cold side (8), a hot side (9) that condenses by cooling and afterwards heats the process air passing thereover and an inlet opening (10) that provides entry of the process air into the hot side (9). A divider (11) is disposed in the drying duct (3) to divide the drying duct (3) into two, as the first drying duct (3') and the second drying duct (3''), whereby process air flowing in the first drying duct (3') is guided directly to the hot side (9).

IPC 8 full level

D06F 58/02 (2006.01); **D06F 58/20** (2006.01); **D06F 58/24** (2006.01)

CPC (source: EP US)

D06F 58/206 (2013.01 - EP US); **D06F 58/24** (2013.01 - EP US)

Citation (search report)

See references of WO 2011154336A1

Cited by

WO2015136393A1; US9140396B2; US9976817B2; US10006721B2; US10907297B2; US11592194B2

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

WO 2011154336 A1 20111215; CN 102918198 A 20130206; CN 102918198 B 20151216; EP 2576888 A1 20130410; EP 2576888 B1 20140319

DOCDB simple family (application)

EP 2011059249 W 20110606; CN 201180028350 A 20110606; EP 11723080 A 20110606