

Title (en)
Laundry dryer including a heat pump system

Title (de)
Wäschetrockner mit Wärmepumpenanlage

Title (fr)
Sèche-linge comprenant un système de pompe à chaleur

Publication
EP 2990517 A1 20160302 (EN)

Application
EP 14182930 A 20140829

Priority
EP 14182930 A 20140829

Abstract (en)
The present invention relates to a laundry dryer including: - a casing (2) rotatably supporting a drum (3), said casing (2) including a basement (24) defining a basement plane (X,Y) and in which a first longitudinal half (24 first half) and a second longitudinal half (24 second half) of the basement are identifiable by means of a first plane (P1) perpendicular to said basement plane (X,Y) and passing through a rotational axis (R) of the drum (3); - A heat pump system (30) including a first heat exchanger (31), and a second heat exchanger (32); said first and/or second heat exchanger being arranged in a process air conduit (18) within said first longitudinal half (24 first half) of said basement (24) for the majority of their respective volumes; - Said process air conduit including a basement process air duct formed in said basement, comprising a basement process air duct portion (28) channeling said process air between a process air exit (28in) where process air exits from said first heat exchanger (31) and a basement process air outlet (19) where process air exits said basement; - A main fan (12) including an impeller (12a), said main fan (12) being located in proximity of the basement process air outlet (19) and having an impeller process air inlet, wherein a impeller inlet plane (Pimp) is defined; - Wherein a distance (Dcond) between any point of the first heat exchanger (31) and said impeller inlet plane (Pimp) is longer or equal to 12cm.

IPC 8 full level
D06F 58/02 (2006.01); **D06F 58/20** (2006.01)

CPC (source: CN EP US)
D06F 58/206 (2013.01 - CN EP US); **D06F 58/02** (2013.01 - CN EP US); **D06F 58/20** (2013.01 - CN EP US)

Citation (search report)
• [A] EP 2628845 A1 20130821 - ELECTROLUX HOME PROD CORP [BE]
• [A] EP 2527527 A1 20121128 - ELECTROLUX HOME PROD CORP [BE]

Cited by
WO2019129614A1

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2990517 A1 20160302; EP 2990517 B1 20170308; AU 2015309197 A1 20170202; AU 2015309197 B2 20210415;
CN 106574427 A 20170419; CN 106574427 B 20190308; WO 2016030113 A1 20160303

DOCDB simple family (application)
EP 14182930 A 20140829; AU 2015309197 A 20150729; CN 201580043830 A 20150729; EP 2015067378 W 20150729