

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 B1 20170308 (EN)

Application
EP 14182930 A 20140829

Priority
EP 14182930 A 20140829

Abstract (en)
[origin: EP2990517A1] 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.

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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 (opposition)
Opponent : BSH Hausgeräte GmbH
EP 2628845 A1 20130821 - ELECTROLUX HOME PROD CORP [BE]

Cited by
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