

Title (en)
Heat pump laundry dryer

Title (de)
Wärmepumpenwäschetrockner

Title (fr)
Sèche-linge à pompe à chaleur

Publication
EP 2990524 B1 20170201 (EN)

Application
EP 14182926 A 20140829

Priority
EP 14182926 A 20140829

Abstract (en)
[origin: EP2990524A1] The present invention relates to a laundry dryer including: a casing (2), rotatably supporting a drum (3) for receiving a load to be dried, said drum being apt to rotate around a rotational axis (R), said casing including a basement (24) defining a bottom surface (24bs); a process air conduit (18) in fluid communication with the drum (3) where a process air stream is apt to flow; a heat pump system (30) having a heat pump circuit in which a refrigerant can flow, said heat pump circuit including a first heat exchanger (31) where the refrigerant is cooled off and the process air is heated up, and a second heat exchanger (32) where the refrigerant is heated up and the process air is cooled off; said first heat exchanger (31) and/or said second heat exchanger (32) being apt to perform heat exchange between said refrigerant flowing in said heat pump circuit and said process air stream; and a compressor (33) to compress the refrigerant exiting said first heat exchanger (31) and located within said basement (24); a motor (50) apt to rotate said drum (3) and at least a motor support (53) apt to support a component of said motor (50); a compressor air conduit (150) allowing compressor air to flow therethrough from the inside of said casing (2) to the outside of the same or vice versa; said compressor air conduit (150) including a first aperture (54) for compressor air realized at a portion of said motor support (53) facing said compressor (33) and a second aperture (55) for said compressor air realized at said bottom surface (24bs) of said basement (24).

IPC 8 full level
D06F 58/20 (2006.01); **D06F 58/08** (2006.01)

CPC (source: CN EP US)
D06F 58/206 (2013.01 - CN EP US); **D06F 58/08** (2013.01 - CN EP US)

Cited by
EP3252217A1; EP3252220A1; US2019264379A1; US10988894B2; EP4119722A3; EP4321677A1

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)
EP 2990524 A1 20160302; **EP 2990524 B1 20170201**; CN 106661815 A 20170510; CN 106661815 B 20190312; PL 2990524 T3 20170731; WO 2016030149 A1 20160303

DOCDB simple family (application)
EP 14182926 A 20140829; CN 201580045820 A 20150803; EP 2015067854 W 20150803; PL 14182926 T 20140829