

Title (en)
Heat pump laundry dryer

Title (de)
Wärmepumpenwäschetrockner

Title (fr)
Sèche-linge à pompe à chaleur

Publication
EP 2990524 A1 20160302 (EN)

Application
EP 14182926 A 20140829

Priority
EP 14182926 A 20140829

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

Citation (search report)
• [A] EP 2733254 A1 20140521 - ELECTROLUX HOME PROD CORP [BE]
• [A] EP 2549007 A1 20130123 - ELECTROLUX HOME PROD CORP [BE]
• [A] EP 1209277 A2 20020529 - ELECTROLUX ZANUSSI ELETTRODOME [IT]
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• [A] DE 102012223437 A1 20140703 - BSH BOSCH & SIEMENS HAUSGERAETE GMBH [DE]
• [A] EP 2343410 A2 20110713 - BSH BOSCH SIEMENS HAUSGERAETE [DE]

Cited by
EP3252217A1; EP3252220A1; US2019264379A1; US10988894B2; EP4119722A3; EP4321677A1; US12071721B2

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DOCDB simple family (application)
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