

Title (en)  
LAUNDRY DRYER WITH HEAT PUMP

Title (de)  
WÄSCHETROCKNER MIT WÄRMEPUMPE

Title (fr)  
SÈCHE-LINGE AVEC POMPE À CHALEUR

Publication  
**EP 3235942 A1 20171025 (EN)**

Application  
**EP 16166343 A 20160421**

Priority  
EP 16166343 A 20160421

Abstract (en)  
The invention relates to a laundry dryer (1) comprising: #c a cabinet (2) supporting a drying chamber (3) for receiving a load to be dried and having a basement (24), a front wall (20), a rear wall (23), a first and a second side wall (21,22) which define a cabinet inner volume; #c A process air conduit (11) in communication with the drying chamber (3) where an air process stream is apt to flow; #c A heat pump system (30) having a heat pump circuit formed by pipes (31) 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 stream is heated up, and a second heat exchanger (32) where the refrigerant is heated up and the process air is cooled off; said first and/or second heat exchanger being thermally coupled to the process air conduit (11) to perform heat exchange between said refrigerant flowing in said heat pump circuit and said process air stream; wherein the heat pump system (30) further includes an auxiliary heat exchanger (13) which comprises a skin condenser including a portion (62) of said pipes and a heat radiating wall (18, 18a), the portion (62) of said pipes extending on one side of the heat radiation wall (18, 18a), and said heat radiating wall (18, 18a) being a portion (18a) of said cabinet (2) or being contained within said cabinet inner volume.

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

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

Citation (applicant)  
• WO 2008086933 A1 20080724 - BSH BOSCH SIEMENS HAUSGERAETE [DE], et al  
• EP 2034084 A1 20090311 - V ZUG AG [CH]  
• EP 2573252 A1 20130327 - ELECTROLUX HOME PROD CORP [BE]

Citation (search report)  
• [XAI] EP 2781644 A1 20140924 - ELECTROLUX APPLIANCES AB [SE]  
• [A] EP 2460926 A1 20120606 - ELECTROLUX HOME PROD CORP [BE]  
• [AD] EP 2034084 A1 20090311 - V ZUG AG [CH]  
• [A] WO 2007074040 A1 20070705 - BSH BOSCH SIEMENS HAUSGERAETE [DE], et al

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Designated contracting state (EPC)  
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Designated extension state (EPC)  
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