

Title (en)  
Laundry dryer

Title (de)  
Wäschetrockner

Title (fr)  
Sèche-linge

Publication  
**EP 2662486 A1 20131113 (EN)**

Application  
**EP 12167147 A 20120508**

Priority  
EP 12167147 A 20120508

Abstract (en)  
A laundry dryer (1) is disclosed, which comprises a casing (2) supporting a drying chamber (3) for receiving a load to be dried and having a basement (24); a process air conduit (11) in communication with the drying chamber (3) where an air process stream is apt to flow; A heat pump (30) having a heat pump circuit in which a refrigerant (R) can flow, said heat pump circuit including a condenser (31) and an evaporator (32); said evaporator (32) and/or said condenser (31) being thermally coupled to the process air conduit (11) to perform heat exchange between said refrigerant (R) flowing in said heat pump circuit and said process air stream. The heat pump circuit further comprises a heat exchanger module (10) including an inlet header (5) to direct a flow of said refrigerant (R) into said heat exchanger module (10); an outer header (6) to discharge said refrigerant (R) from said heat exchanger module (10); and a plurality of channels (7) extending along a longitudinal direction connecting the inlet (5) to the outlet header (6) to enable the refrigerant (R) to flow from said inlet (5) to said outlet header (6) and/or vice versa; the plurality of channels (7) being at least in part subject to the flow of the air process stream.

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

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

Citation (applicant)  
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Citation (search report)  
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• [YA] US 2011280736 A1 20111117 - LEE YONGJU [KR], et al  
• [YA] DE 10002743 A1 20010802 - WHIRLPOOL CO [US]  
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**EP 12167147 A 20120508**; AU 2013258286 A 20130424; CN 201380024281 A 20130424; EP 13719492 A 20130424; EP 2013058531 W 20130424; PL 13719492 T 20130424