

Title (en)
CLOTHES DRYER

Title (de)
WÄSCHETROCKNER

Title (fr)
SÈCHE-LINGE

Publication
EP 3249094 B1 20190703 (EN)

Application
EP 17166069 A 20170411

Priority
CN 201610369195 A 20160527

Abstract (en)
[origin: EP3249094A1] A clothes dryer (100) is provided, comprising a casing (4); a drying drum (1) provided with a drying cavity therein and provided with an air outlet (12) and a return air inlet (11) which are in communication with the drying cavity, wherein the drying drum (1) is disposed in the casing (4) and an air duct (2) is defined between the drying drum (1) and the casing (4), wherein two ends of the air duct (2) are in communication with the return air inlet (11) and the air outlet (12) respectively; a heat pump system disposed in the casing, comprising a compressor (31), a condenser (32), a throttling element (33), a multi-channel evaporator (34) and a tube-fin evaporator (35) which form a circulation loop of refrigerant, wherein the multi-channel evaporator (34) and the tube-fin evaporator (35) are in parallel connection or in series connection, and the condenser (32), the multi-channel evaporator (34) and the tube-fin evaporator (35) are disposed in the air duct (2), wherein in a flowing direction of the air of the air duct (2), the tube-fin evaporator (35) is located upstream of the multi-channel evaporator (34). In the clothes dryer (100) according to the present disclosure, the evaporator (34, 35) is easy to clean, and the heat exchange efficiency of the evaporator (34, 35) may be improved, thus improving the working efficiency of the clothes dryer (100).

IPC 8 full level
D06F 58/20 (2006.01); **D06F 58/02** (2006.01)

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

Cited by
US2017191212A1; KR20170082045A; US10273627B2

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 3249094 A1 20171129; EP 3249094 B1 20190703; CN 107435228 A 20171205; CN 107435228 B 20191018

DOCDB simple family (application)
EP 17166069 A 20170411; CN 201610369195 A 20160527