

Title (en)
Drying machine

Title (de)
Trocknungsmaschine

Title (fr)
Séchoir

Publication
EP 2883487 A1 20150617 (EN)

Application
EP 14194927 A 20141126

Priority
CN 201310683210 A 20131213

Abstract (en)

The invention discloses a drying machine, including a tub 6 for containing laundry, a condenser 9 spatially communicated with the tub 6, and a fan 11 that enables air to flow from the tub 6 to the condenser 9, where the condenser 9 has a body 21, an air inflow passage 22 connected adjacent to a bottom portion of the body 21, and an air outlet 23 adjacent to a top portion of the body 21, and the air inflow passage 22 approximately extends along a tangential direction of a cross section of the body 21, so that air that enters the body 21 from the air inflow passage 22 rises along a side wall 210 of the body 21 in a centrifugal rotation manner. Therefore, the air that enters the body 21 from the air inflow passage 22 rises along the side wall 210 of the body 21 in a centrifugal rotation manner, and the air travels a longer distance in the condenser 9 to achieve more heat exchange; in addition, resistance loss caused because airflow directly impacts a wall surface is effectively reduced; and moreover, cooling water flows on the wall surface of the condenser 9, which prevents water droplets from being carried into the air and entering the fan 11 and an air heater 12.

IPC 8 full level
A47L 15/48 (2006.01); **D01D 5/00** (2006.01); **D06F 58/24** (2006.01)

CPC (source: CN EP US)
D06F 58/24 (2013.01 - CN EP US)

Citation (search report)

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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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2883487 A1 20150617; EP 2883487 B1 20170111; CN 104711833 A 20150617; CN 104711833 B 20180406

DOCDB simple family (application)
EP 14194927 A 20141126; CN 201310683210 A 20131213