

Title (en)
LAUNDRY DRYER

Title (de)
WÄSCHETROCKNER

Title (fr)
SÈCHE-LINGE

Publication
EP 3284857 A1 20180221 (EN)

Application
EP 17182736 A 20170724

Priority
CN 201610696466 A 20160819

Abstract (en)
Disclosed is a laundry dryer (100), comprising a cabinet (1), a drying chamber (2), an air heating channel (7) associated with the drying chamber (2), and a fan (6) facilitating air to flow in the drying chamber (2) and in the air heating channel (7), the fan (6) being disposed neighboring the air heating channel (7), the fan (6) having a primary air channel (11) formed by a housing (10), and the primary air channel (11) being in fluid communication with the drying chamber (2) and the air heating channel (7), wherein the housing (10) is covered by a cover (12) outside, a secondary air channel (15) having an inlet (13) and an outlet (14) is formed between the cover (12) and the housing (10), impellers (62) rotating with a rotator (61) of a motor are provided in the secondary air channel (15), the impellers (62) are such disposed that when the impellers (62) rotate with the rotator (61), air is driven to enter the secondary air channel (15) from the inlet (13) of the secondary air channel (15) and exit from the outlet (14) of the secondary air channel (15), and the inlet (13) and the outlet (14) of the secondary air channel (15) respectively extend by using a first pipe (16) and a second pipe (17). When the fan (6) operates, the rotator (61) drives the impellers (62) located in the secondary air channel (15) to rotate, so that air flows through the secondary air channel (15), thereby removing heat generated by the motor of the fan (6), and achieving cooling.

IPC 8 full level
D06F 58/02 (2006.01); **D06F 25/00** (2006.01); **D06F 58/20** (2006.01); **D06F 58/28** (2006.01)

CPC (source: CN EP US)
D06F 58/10 (2013.01 - CN); **D06F 58/20** (2013.01 - CN EP US); **D06F 25/00** (2013.01 - CN EP US); **D06F 58/02** (2013.01 - CN EP US); **D06F 58/26** (2013.01 - CN EP US); **D06F 2103/36** (2020.02 - EP US); **D06F 2105/24** (2020.02 - 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 3284857 A1 20180221; CN 107761336 A 20180306; CN 107761336 B 20210209

DOCDB simple family (application)
EP 17182736 A 20170724; CN 201610696466 A 20160819