

Title (en)  
LAUNDRY DRYER WITH FAN

Title (de)  
WÄSCHETROCKNER MIT GEBLÄSE

Title (fr)  
SÈCHE-LINGE AVEC VENTILATEUR

Publication  
**EP 3284858 A1 20180221 (EN)**

Application  
**EP 17182738 A 20170724**

Priority  
CN 201610694645 A 20160819

Abstract (en)  
Disclosed is a laundry dryer (100) with a fan (6), including a cabinet (1) and a drying chamber (2), and the fan (6) having a primary air channel (11) formed by a housing (10), where 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), 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), and an outlet (14) of the second pipe (17) is close to an apparatus that needs to be cooled in the cabinet (1). In this way, the secondary air channel (15) can guide an airflow to the apparatus that needs to be cooled, and when flowing through the secondary air channel (15), the air further cools the motor of the fan (6) itself.

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 58/20** (2013.01 - CN EP US); **D06F 25/00** (2013.01 - CN EP US); **D06F 58/02** (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 3284858 A1 20180221**; **EP 3284858 B1 20190501**; CN 107761340 A 20180306; PL 3284858 T3 20191031

DOCDB simple family (application)  
**EP 17182738 A 20170724**; CN 201610694645 A 20160819; PL 17182738 T 20170724