Title (en)
Condensing unit for washer/dryer

Title (de)
Kondensator für Waschtrockner

Title (fr)
Condenseur pour lave-linge/seche-linge

Publication
EP 1849911 A1 20071031 (EN)

Application
EP 06425281 A 20060426

Priority
EP 06425281 A 20060426

Abstract (en)
A condensing unit (C) for a washer/dryer having a tank (T) connected to a drying circuit, that includes a fan (F) suitable to generate an air stream in said circuit and a resistor (R) suitable to heat the air prior to returning it to the tank (T), includes a condensing duct with a flat and elongated cross-section made up of an air channel (A) and a condensing water channel (W) divided by a thermal exchange surface (E), the air stream coming from the tank (T) flowing in a direction opposite to the stream of water introduced at the top in the water channel (W) through an electrovalve, both the air channel (A) and the water channel (W) being connected to the drain pump of the machine. In this way, there is realized a counter-current heat exchanger that allows to improve the condensing effectiveness with a subsequent decrease of the drying time and lower power consumption.

IPC 8 full level
D06F 58/24 (2006.01); D06F 25/00 (2006.01)

CPC (source: EP US)
D06F 25/00 (2013.01 - EP US); D06F 58/24 (2013.01 - EP US)

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Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
EP 1849911 A1 20071031

DOCDB simple family (application)
EP 06425281 A 20060426