

Title (en)

MACHINE FOR DRYING LAUNDRY, IN PARTICULAR WASHER-DRYER, EQUIPPED WITH A HEAT PUMP SYSTEM

Title (de)

MASCHINE ZUM TROCKNEN VON WÄSCHE, INSBESONDERE EIN WASCHTROCKNER, MIT EINEM WÄRMEPUMPENSYSTEM

Title (fr)

MACHINE DE SÉCHAGE DE LINGE, EN PARTICULIER UNE LAVEUSE-SÉCHEUSE, ÉQUIPÉE D'UN SYSTÈME DE POMPE À CHALEUR

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Application

EP 17195564 A 20171009

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Abstract (en)

A machine for drying laundry is disclosed. The machine comprises a cabinet (2) and an oscillating assembly (3) housed in the cabinet (2) and comprising in turn a tub (4) and a drum (5) housed in the tub (4), the drum (5) having a substantially horizontal longitudinal axis. The machine comprises a drying circuit connected with the tub (4) at its ends, a condensing segment and a heating segment being provided in the drying circuit. The machine comprises a blower (6) apt to move a drying airflow in the drying circuit, the drying airflow circulating in the drying circuit so that the condensing segment is positioned in the drying circuit upstream of the heating segment, the condensing segment being configured for reducing the moisture content in the drying airflow and the heating segment being configured for increasing the temperature of the drying airflow. The machine comprises a heat pump system including an evaporator (7), a condenser (8) and a compressor (9), the evaporator (7) being housed in the condensing segment and the condenser (8) being housed in the heating segment. The evaporator (7), the condenser (8) and the compressor (9) are supported by the cabinet (2). The evaporator (7) and the condenser (8) are both positioned substantially above the drum (5), whilst the compressor (9) is positioned substantially below the drum (5). The compressor (9) is connected to the evaporator (7) and to the condenser (8) by means of flexible pipes. In a preferred embodiment, the machine is a washer-dryer (1).

IPC 8 full level

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CPC (source: EP US)

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Citation (applicant)

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