

Title (en)

DEVICE FOR DRYING LAUNDRY AND METHOD FOR OPERATING A HEAT PUMP OF SUCH A DEVICE

Title (de)

GERÄT ZUM TROCKNEN VON WÄSCHE UND VERFAHREN ZUM BETREIBEN EINER WÄRMEPUMPE EINES SOLCHEN GERÄTS

Title (fr)

APPAREIL DE SÉCHAGE DE LINGE ET PROCÉDÉ DE FONCTIONNEMENT D'UNE POMPE À CHALEUR D'UN TEL APPAREIL

Publication

EP 3739110 B1 20230802 (DE)

Application

EP 20173145 A 20200506

Priority

DE 102019207225 A 20190517

Abstract (en)

[origin: CN111945401A] The invention relates to an appliance (1, 14) for drying laundry, comprising at least one open process air system (3, 15) having at least one drying chamber (4) for receiving laundry to be dried and at least one heat pump (7) thermally coupled to the process air system (3, 15). In order to reduce the energy content of the process air at the outlet of the open process air system (3, 15) and to increase the dehumidification performance of the appliance (1, 14), the appliance (1, 14) has at least one cooling unit (13) which is thermally coupled to a refrigerant line (12) between a compressor (10) and a condenser (8) of the heat pump (7) for cooling the refrigerant flowing through the refrigerant line (12).

IPC 8 full level

D06F 58/20 (2006.01); **D06F 58/48** (2020.01); **D06F 58/02** (2006.01); **D06F 58/24** (2006.01)

CPC (source: CN EP)

D06F 58/206 (2013.01 - CN EP); **D06F 58/48** (2020.02 - EP); **D06F 58/02** (2013.01 - EP); **D06F 58/24** (2013.01 - EP)

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

DOCDB simple family (publication)

EP 3739110 A1 20201118; **EP 3739110 B1 20230802**; CN 111945401 A 20201117; CN 111945401 B 20240426;
DE 102019207225 A1 20201119; PL 3739110 T3 20240103

DOCDB simple family (application)

EP 20173145 A 20200506; CN 202010405793 A 20200514; DE 102019207225 A 20190517; PL 20173145 T 20200506