Title (en)

A METHOD FOR CONTROLLING A LAUNDRY DRYING MACHINE WITH HEAT PUMP SYSTEM AND LAUNDRY DRYING MACHINE CONTROLLED BY SUCH METHOD

Title (de)

VERFAHREN ZUR STEUERUNG EINES WÄSCHETROCKNERS MIT WÄRMEPUMPENSYSTEM UND MIT EINEM DERARTIGEN VERFAHREN GESTEUERTER WÄSCHETROCKNER

Title (fr)

PROCÉDÉ POUR COMMANDER UN SÈCHE-LINGE AVEC SYSTÈME DE POMPE À CHALEUR ET SÈCHE-LINGE COMMANDÉ PAR UN TEL PROCÉDÉ

Publication

EP 2690212 B1 20161109 (EN)

Application

EP 12177506 A 20120723

Priority

EP 12177506 A 20120723

Abstract (en)

[origin: EP2690212A1] A laundry drying machine with heat pump system comprises a process air circuit including a rotating drum (10), a blower (12) and a heater (16), a refrigerant circuit including a compressor (22), a condenser (14), an expansion device (23), an evaporator (18), such condenser and evaporator being in heat exchange relationship with the process air circuit, an auxiliary condenser (20) cooled by an air flow driven by a fan (26), and at least two temperature sensors (T1, T2) placed in the process air circuit and/or in the refrigerant circuit. A method for controlling such laundry drying machine comprises inputting a desired behavior of the laundry drying machine selected in the group consisting of optimized use of energy, overall drying time and fabric care, and controlling the components (12, 16, 22, 26) of the machine according to signals from said two temperature sensors (T1, T2) and according to said desired behavior.

IPC 8 full level

D06F 58/20 (2006.01)

CPC (source: EP US)

D06F 58/36 (2020.02 - EP US); D06F 58/206 (2013.01 - EP US); D06F 2101/20 (2020.02 - EP US); D06F 2103/32 (2020.02 - EP US); D06F 2103/50 (2020.02 - EP US); D06F 2105/26 (2020.02 - EP US); D06F 2105/28 (2020.02 - EP US); D06F 2105/30 (2020.02 - EP US); D06F 2105/32 (2020.02 - EP US)

Cited by

ES2724363A1; CN103981681A; US2016047081A1; US9670612B2; EP3299512A1; EP3517680A1; DE102018201257A1; WO2014067797A3; WO2016138920A1; US10273628B2

Designated contracting state (EPC)

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