

Title (en)
A METHOD FOR OPERATING A LAUNDRY DRYING MACHINE EQUIPPED WITH A HEAT PUMP SYSTEM AND A LAUNDRY DRYING MACHINE IMPLEMENTING SAID METHOD

Title (de)
VERFAHREN ZUM BETRIEB EINER WÄSCHETROCKNUNGSMASCHINE, DIE MIT EINEM WÄRMEPUMPENSYSTEM AUSGESTATTET IST, UND WÄSCHETROCKNUNGSMASCHINE ZUR IMPLEMENTIERUNG DES BESAGTEN VERFAHRENS

Title (fr)
PROCÉDÉ DE FONCTIONNEMENT D'UN SÈCHE-LINGE DOTÉ D'UN SYSTÈME DE POMPE À CHALEUR ET SÈCHE-LINGE METTANT EN OEUVRE CE PROCÉDÉ

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Abstract (en)
The invention relates to a method for controlling a laundry drying machine (1) equipped with a heat pump system (50) including a compressor (52) and equipped with at least a passive switching device (70), not controllable by a control unit (UC1), adapted to cut the power supplied to the compressor (52) when predetermined operative parameters thresholds are exceeded. The machine (1) further comprises at least one compressor cooling fan (60) and at least one temperature sensor (80, 85). The method comprises the steps of: activating the heat pump system (50) by switching on said compressor (52); detecting a machine temperature (Tm) related to temperature conditions of the laundry drying machine (1); detecting an electric parameter (Vd) related to the electric current absorbed by said compressor (52); detecting a temperature (Tr) related to the compressor (52); switching on said cooling fan (60) if said temperature (Tr) related to the compressor (52) is above one switch ON threshold temperature (Fan_Ton) selected among predetermined threshold temperatures (Fan_Ton); switching off said cooling fan (60) if said temperature (Tr) related to the compressor (52) is below one switch OFF threshold temperature (Fan_Toff) selected among predetermined threshold temperatures (Fan_Toff); maintaining said compressor (52) switched on or switching on said compressor (52) if said temperature (Tr) related to the compressor (52) is below one switch ON/OFF threshold temperature (Comp_Ton/off) among predetermined threshold temperatures (Comp_Ton/off); switching off said compressor (52) if said temperature related (Tr) to the compressor (52) is above, or equal to, one switch ON/OFF threshold temperature (Comp_Ton/off) among predetermined threshold temperatures (Comp_Ton/off). The predetermined threshold temperatures (Fan_Ton, Fan_Ton, Comp_Ton/off) are defined on the base of ranges of the machine temperature (Tm) and on the base of ranges of said electric parameter (Vd).

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Citation (search report)
• [YA] EP 3124678 A1 20170201 - ELECTROLUX APPLIANCES AB [SE]
• [YA] EP 2733252 A1 20140521 - ELECTROLUX HOME PROD CORP [BE]
• [A] DE 102011078921 A1 20130117 - BSH BOSCH SIEMENS HAUSGERÄTE [DE]

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