

Title (en)

A METHOD FOR CONTROLLING A HEAT PUMP SYSTEM FOR A LAUNDRY DRYING MACHINE AND A CORRESPONDING LAUNDRY DRYING MACHINE

Title (de)

VERFAHREN ZUR STEUERUNG EINES WÄRMEPUMPENSYSTEMS FÜR EINEN WÄSCHETROCKNER UND ENTSPRECHENDER WÄSCHETROCKNER

Title (fr)

PROCÉDÉ POUR COMMANDER UN SYSTÈME DE POMPE À CHALEUR POUR UN SÈCHE-LINGE ET SÈCHE-LINGE CORRESPONDANT

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Abstract (en)

[origin: EP2746457A1] The present invention relates to a method for controlling a laundry drying machine of the type comprising a heat pump system having a refrigerant circuit (30) for a refrigerant and comprising an air stream circuit (10) including at least one laundry drum (9) for receiving laundry to be dried. The refrigerant circuit (30) comprises a compressor (24) with a variable rotation speed, a first heat exchanger for a thermal coupling between said air stream circuit (10) and said refrigerant circuit (30) and a second heat exchanger (23) for a further thermal coupling between said air stream circuit (10) and said refrigerant circuit (30). The method comprises the steps of: - determining the amount of load (W) in the laundry drum (9); and - controlling the average speed (V) or the average power (P) of the compressor (24) in a drying cycle according to the amount of load (W), so that in case of a first amount of load (W) the average speed (V) or the average power (P) of the compressor (24) is set to a first operational value (Vh) and in case of a second amount of load (W) the average speed (V) or the average power (P) of the compressor (24) is set to a second operational value (Vf). The first amount of load (W) is smaller than the second amount of load (W) and the first operational value (Vh) is higher than the second operational value (Vf).

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