

Title (en)

Method for operating a laundry treatment apparatus and laundry treatment apparatus

Title (de)

Verfahren für den Betrieb einer Wäschebehandlungsvorrichtung und Wäschebehandlungsvorrichtung

Title (fr)

Procédé pour faire fonctionner un appareil de traitement du linge et appareil de traitement de linge

Publication

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Application

EP 12192958 A 20121116

Priority

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Abstract (en)

The invention relates to a method for operating a laundry treatment apparatus, in particular a heat pump tumble dryer or a washing machine having a drying function, and to a treatment apparatus, wherein the apparatus comprises: a heat pump system and a laundry treatment chamber for treating laundry using process air, and wherein the heat pump system comprises: a first heat exchanger for heating the refrigerant fluid, a second heat exchanger for cooling a refrigerant fluid, an expansion device, a refrigerant loop, in which the refrigerant fluid is circulated through the first and second heat exchangers and the expansion device, a variable speed and/or variable power compressor for circulating the refrigerant fluid through the refrigerant loop, and a cooling air blower for conveying cooling air to the compressor. The method comprises: monitoring a first temperature signal (T1) and activating the cooling air blower or increasing the conveying capacity of the cooling air blower when the first temperature signal exceeds a first temperature level (TL1), and monitoring the first temperature signal (T1) or a second temperature signal (T2) and reducing the compressor speed and/or compressor power when the first temperature signal (T1) or the second temperature signal (T2) exceeds a second temperature level (TL2), wherein, if it is the first temperature signal (T1) which is monitored for exceeding the second temperature level (TL2), the second temperature level (TL2) is higher than the first temperature level (TL1).

IPC 8 full level

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CPC (source: EP US)

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Citation (applicant)

EP 2455526 A1 20120523 - BSH BOSCH SIEMENS HAUSGERAETE [DE]

Citation (search report)

- [X] DE 102005041145 A1 20070301 - ALPHA INNOTECH GMBH [DE]
- [A] EP 2077350 A1 20090708 - ELECTROLUX HOME PROD CORP [BE]
- [A] EP 2333149 A1 20110615 - V ZUG AG [CH]
- [A] EP 1884586 A2 20080206 - V ZUG AG [CH]
- [A] EP 1614976 A1 20060111 - MATSUSHITA ELECTRIC IND CO LTD [JP]

Cited by

EP3239390A1; EP3064638A1; EP3124689A1; WO2014102073A1

Designated contracting state (EPC)

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