

Title (en)

Laundry treatment apparatus with temperature dependent control

Title (de)

Wäschebehandlungsvorrichtung mit temperaturabhängiger Steuerung

Title (fr)

Appareil de traitement du linge avec une commande en fonction de la température

Publication

EP 2811064 A1 20141210 (EN)

Application

EP 13170295 A 20130603

Priority

EP 13170295 A 20130603

Abstract (en)

The invention relates to a method for operating a laundry treatment apparatus, in particular a heat pump dryer or washing machine having dryer function, and a laundry treatment apparatus having a heat pump system, 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 a refrigerant fluid, a second heat exchanger for cooling the 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, and a compressor for circulating the refrigerant fluid through the refrigerant loop, the method comprising: detecting at least one temperature signal (Tx), and, in dependency of the at least one detected temperature signal (Tx), selecting at least one predetermined temperature threshold value (T_off1, T_on1; T_off2, T_on2; T_off3, T_on3) for switching the compressor ON and/or OFF.

IPC 8 full level

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CPC (source: EP US)

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Citation (applicant)

DE 102005041145 A1 20070301 - ALPHA INNOTECH GMBH [DE]

Citation (search report)

- [X1] AU 2011253568 A1 20120607 - V ZUG AG
- [XDA] DE 102005041145 A1 20070301 - ALPHA INNOTECH GMBH [DE]
- [XA] US 2010037480 A1 20100218 - STEFFENS GUENTER [DE]

Cited by

JP2021529564A; US11346043B2; EP3425109A1; AU2018203683B2; WO2016138920A1

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DOCDB simple family (application)

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