

Title (en)

CONDENSATION DRYER WITH A HEAT PUMP AND RECOGNITION OF AN IMPERMISSIBLE OPERATING STATE AND METHOD FOR THE OPERATION THEREOF

Title (de)

KONDENSATIONSTROCKNER MIT EINER WÄRMEPUMPE UND ERKENNUNG EINES UNZULÄSSIGEN BETRIEBSZUSTANDS SOWIE VERFAHREN ZU SEINEM BETRIEB

Title (fr)

SÉCHOIR À CONDENSATION MUNI D'UNE POMPE À CHALEUR ET D'UN SYSTÈME DE DÉTECTION D'UN ÉTAT DE FONCTIONNEMENT INADMISSIBLE, ET PROCÉDÉ DE FONCTIONNEMENT CORRESPONDANT

Publication

EP 2315867 B1 20111228 (DE)

Application

EP 09781179 A 20090728

Priority

- EP 2009059730 W 20090728
- DE 102008040946 A 20080801

Abstract (en)

[origin: US2011178653A1] A condensation dryer having a temperature sensor to measure a temperature of a coolant; a first comparator to determine a temperature difference between a first temperature of the coolant and a second temperature of the coolant that is measured after a period of time and to compare the temperature difference with a limiting temperature difference stored in a controller; a counter to ascertain a number of occurrences in which the temperature difference is greater than or equal to the limiting temperature difference; and a second comparator to compare the number of occurrences with a limiting number stored in the controller and to evaluate a number difference between the number of occurrences and the limiting number with respect to the presence of an impermissible operating state. A first impermissible operating state is indicated if the number difference is greater than or equal to a value stored in the controller.

IPC 8 full level

D06F 58/20 (2006.01)

CPC (source: EP US)

D06F 58/206 (2013.01 - EP US); **D06F 2103/52** (2020.02 - EP US)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)

US 2011178653 A1 20110721; US 8484862 B2 20130716; AT E539192 T1 20120115; CN 102112678 A 20110629; CN 102112678 B 20130206; DE 102008040946 A1 20100204; EP 2315867 A1 20110504; EP 2315867 B1 20111228; WO 2010012723 A1 20100204

DOCDB simple family (application)

US 200913056426 A 20090728; AT 09781179 T 20090728; CN 200980130718 A 20090728; DE 102008040946 A 20080801; EP 09781179 A 20090728; EP 2009059730 W 20090728