

Title (en)
DRYING METHOD AND CONDENSATION DRYER COMPRISING A HEAT PUMP AND SYSTEM FOR RECOGNIZING AN UNALLOWABLE OPERATING STATE

Title (de)
TROCKNUNGSVERFAHREN UND KONDENSATIONSTROCKNER MIT EINER WÄRMEPUMPE UND SYSTEM ZUR ERKENNUNG EINES UNZULÄSSIGEN BETRIEBSZUSTANDS

Title (fr)
PROCÉDÉ DE SÉCHAGE ET SÈCHEUR À CONDENSATION AVEC UNE POMPE À CHALEUR, AINSI QUE SYSTÈME DE DÉTECTION D'UN ÉTAT DE FONCTIONNEMENT INADMISSIBLE

Publication
EP 2326762 B1 20111228 (DE)

Application
EP 09781160 A 20090728

Priority
• EP 2009059706 W 20090728
• DE 102008040853 A 20080730

Abstract (en)
[origin: US2011119952A1] A condensation dryer is provided that includes a drying chamber for items to be dried; a process-air circuit having a first fan; a heat pump in which a coolant circulates; an evaporator; a compressor; a condenser; a throttle; a temperature sensor to measure a temperature of the coolant; a cooler for the heat pump; and a controller. The condensation dryer further includes a comparator to compare the measured temperature of the coolant to a limit temperature that is stored in the controller and to switch on and operate the cooler during a period of time if the measured temperature of the coolant is equal to or greater than the limit temperature. The condensation dryer also includes an evaluator to evaluate a change in the measured temperature of the coolant during the period of time with regard to a non-permitted operating state of the condensation dryer.

IPC 8 full level
D06F 58/20 (2006.01)

CPC (source: EP US)
D06F 58/206 (2013.01 - 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 2011119952 A1 20110526; AT E539193 T1 20120115; CN 102112677 A 20110629; CN 102112677 B 20121128; DE 102008040853 A1 20100204; EP 2326762 A1 20110601; EP 2326762 B1 20111228; WO 2010012708 A1 20100204

DOCDB simple family (application)
US 200913054964 A 20090728; AT 09781160 T 20090728; CN 200980130012 A 20090728; DE 102008040853 A 20080730; EP 09781160 A 20090728; EP 2009059706 W 20090728