

Title (en)

Dryer and method to control a drying cycle

Title (de)

Trockner und Verfahren zur Steuerung eines Trocknungszyklus

Title (fr)

Appareil de séchage et procédé de contrôle d'un cycle de séchage

Publication

**EP 2610400 B1 20181205 (EN)**

Application

**EP 11195812 A 20111227**

Priority

EP 11195812 A 20111227

Abstract (en)

[origin: EP2610400A1] The invention relates to a dryer (100) for drying fabric items according to a plurality of drying cycles, the plurality including at least a non-cotton cycle, comprising: a drying chamber (3) for receiving fabric items to be dried; an air circulation system to force air through the drying chamber (3); a heater (9) to heat the air in the air circulation system, the heater including a first and a second heating element (9a,9b); a user interface (8) apt to receive input from a user to select a drying cycle from the plurality; a temperature sensor (40) located within the dryer (100) to sense the temperature of the heated air; a controller (20) operably coupled to the heater (9), to the user interface (8), and to the temperature sensor (40), the controller being apt to receive from the user interface (8) an input relative to the selected drying cycle and from the temperature sensor (40) a temperature value. The dryer (100) also comprises a heater variable power supply (50) controlled by the controller (20), said variable power supply (50) being adapted, when a non-cotton cycle has been selected, to switch on both first and second heating elements (9a,9b) till a first threshold temperature ( $T_1$ ) has been reached, and to switch off both said first and second heating elements (9a,9b) afterwards. The invention also relates to a method to control a drying cycle.

IPC 8 full level

**D06F 34/26** (2020.01); **D06F 34/08** (2020.01); **D06F 58/38** (2020.01)

CPC (source: EP US)

**D06F 34/26** (2020.02 - EP US); **D06F 34/08** (2020.02 - EP US); **D06F 58/38** (2020.02 - EP US); **D06F 2101/20** (2020.02 - EP US); **D06F 2103/08** (2020.02 - EP US); **D06F 2103/32** (2020.02 - EP US); **D06F 2105/28** (2020.02 - EP US); **D06F 2105/50** (2020.02 - EP US); **D06F 2105/62** (2020.02 - EP US)

Cited by

EP3138954A1; EP3348706A1; US2016273151A1; US10138590B2; US2019062986A1; US10533277B2; US10815611B2; US11674252B2

Designated contracting state (EPC)

AL 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 RS SE SI SK SM TR

DOCDB simple family (publication)

**EP 2610400 A1 20130703; EP 2610400 B1 20181205**

DOCDB simple family (application)

**EP 11195812 A 20111227**