

Title (en)
CLOTHES DRYER AND CONTROL METHOD THEREFOR

Title (de)
WÄSCHETROCKNER UND STEUERUNGSVERFAHREN DAFÜR

Title (fr)
SÈCHE-LINGE ET PROCÉDÉ DE COMMANDE CORRESPONDANT

Publication
EP 3279382 A1 20180207 (EN)

Application
EP 16771387 A 20160330

Priority
• CN 201510149863 A 20150331
• CN 2016077888 W 20160330

Abstract (en)
Disclosed are a clothes dryer and a control method therefor. The clothes dryer includes a clothes drying drum (1), where a humidity sensor (2) for detecting a humidity value of clothes is arranged at a clothes throwing port of the clothes drying drum (1); a detection apparatus (3) is further arranged in the clothes drying drum (1); and the detection apparatus (3) is arranged inside the clothes throwing port. The detection apparatus (3) is connected with a controller. The detection apparatus (3) is configured to detect an impedance value of a surrounding environment of the detection apparatus (3) at every interval of a preset time period and transmit the impedance value to the controller. The detection apparatus (3) is arranged in the clothes dryer in the present application, and is configured to detect the impedance value around the detection apparatus (3) at every interval of a preset time period. The controller respectively compares each impedance value with a preset impedance threshold, and judges the amount of clothes in the clothes drying drum (1) according to the number of the impedance values exceeding the preset impedance threshold, thereby adjusting a rotating speed of the clothes drying drum according to the amount of clothes, and solving problems that the clothes are easy to be wrinkled and the clothes drying effect is uneven in the clothes dryer in the existing art in a clothes drying process.

IPC 8 full level
D06F 33/02 (2006.01)

CPC (source: EP KR US)
D06F 58/38 (2020.02 - EP KR US); **D06F 34/26** (2020.02 - EP KR US); **D06F 58/02** (2013.01 - EP KR US); **D06F 58/04** (2013.01 - EP US); **D06F 2103/02** (2020.02 - EP US); **D06F 2103/04** (2020.02 - EP KR US); **D06F 2103/10** (2020.02 - EP KR US); **D06F 2103/34** (2020.02 - EP KR US); **D06F 2103/44** (2020.02 - EP KR US); **D06F 2105/46** (2020.02 - EP KR US); **D06F 2105/48** (2020.02 - EP KR US)

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3279382 A1 20180207; **EP 3279382 A4 20181121**; CN 106149330 A 20161123; CN 106149330 B 20210330; JP 2018510031 A 20180412; KR 20170131691 A 20171129; US 2018087212 A1 20180329; WO 2016155632 A1 20161006

DOCDB simple family (application)
EP 16771387 A 20160330; CN 201510149863 A 20150331; CN 2016077888 W 20160330; JP 2017551689 A 20160330; KR 20177031546 A 20160330; US 201615563193 A 20160330