

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 A4 20181121 (EN)

Application
EP 16771387 A 20160330

Priority
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• CN 2016077888 W 20160330

Abstract (en)
[origin: EP3279382A1] 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.

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Citation (search report)
• [I] JP H08103598 A 19960423 - MATSUSHITA ELECTRIC IND CO LTD
• [Y] KR 20020060350 A 20020718 - LG ELECTRONICS INC [KR]
• [Y] JP 2014150978 A 20140825 - PANASONIC CORP
• [A] US 2007256321 A1 20071108 - BAE SUN C [KR], et al
• [A] US 2014020262 A1 20140123 - ALTINIER FABIO [IT], et al
• [A] JP 3340887 B2 20021105
• [A] JP H05146597 A 19930615 - TOSHIBA CORP, et al
• [A] US 2004168343 A1 20040902 - PARK SANG HO [KR]
• [A] WO 2012120851 A1 20120913 - PANASONIC CORP [JP], et al
• See references of WO 2016155632A1

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