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Patent Search

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| Invention Title | CLOTHES DRYER ASSEMBLY WITH HUMIDITY SENSOR AND WORKING METHOD THEREOF |
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Abstract:

ABSTRACT In the present invention, the wet clothes hanged in the upper shelf with the hangers. Small cloths can be kept on the lower shelves. The position of these shelves can be changed according to the requirement. Once the clothes loaded in the shelves, close the doors of the dryer. Switch on the power supply. Set the temperature of the cabin a further, the ECU will switch on the blower and the hot air will start blowing in the cabin. Swing system uniformly distributes hot air in all side of the dryer. The exhaust fan will start for predetermined time after a predefined intervals to remove the moisture from the cabin. If the clothes have some water, it will be collected in the water tank placed below the cabin. The blower will automatically stop when the moisture contents is about 8% in the exhaust air. Accompanied Drawings [FIG.1-3]

Complete Specification

DESC:FIELD OF INVENTION:

This invention generally relates to the field of the clothes dryer systems, assemblies, techniques and methods, and more particularly relates to clothes dryer assembly with humidity sensor and working method thereof.

BACKGROUND OF THE INVENTION

Drying clothes after washing in the flats is a big challenge during the winter. It takes lots of time to dry the clothes or sometime there is smell in the cloths due to humidity. In the metro cities there is a limited space to dry clothes. To resolve this problem, we are proposing a box type clothes dryer with humidity sensor. This clothes dryer is operated with electrical power. It is having a humidity sensor, temperature sensor and a blower. All these devices will be operated by ECU. It will dry the clothes in 30 minutes only. It is a automatic dryer.

There are few references for the present invention as given below:

US20110203131A1 invention is applicable to new and old clothes dryers, even clothes dryers that have a moisture sensor built-in because this invention measures the humidity. The invention, Retrofit Moisture and Humidity Sensor and Automatic Shutoff device for Clothes Dryers, relates to an apparatus and methods for reducing energy consumption for gas and electric domestic or industrial clothes dryers by placing or retrofitting a moisture/humidity sensing apparatus inside or onto the drum of a clothes dryer. The Sensor is able to remotely/wirelessly communicate to a Receiver device. The clothes dryer is directly plugged into the Receiver. The Receiver device serves the purpose of shutting the power to the clothes dryer when the items in the clothes dryer are dry as indicated by the Sensor. The moisture/humidity detecting sensor has various levels of dryness to choose from. Although moisture detecting dryers are readily available, these types of dryers are not in the price range of most consumers. The

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