Patent Search

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Abstract:

The present invention describes a fabric sanitization device and working method thereof. In the present invention, the device comprises of plurlaity of cylindrical ducts stacked together in horizontal manner, wherein; each cylindrical ducts are arranged at certain distance apart in horizontal direction. The assembly of ducts resembles a conventional clo stand, in particulars; that are connected to main funnel. The vertical funnels are arranged in cross position to provide the stability to whole of the sanitizer module. In an embodiment of present invention there are two blowers/driers; are fixed diagonally at the ductal arrangement, which is near to the ground surface, also in an embodiment ther is one humid sensor to check the intensity and duration of dry air into the ductal module. Accompanied Drawings [FIGS. 1-3]

Complete Specification

DESC:FIELD OF INVENTION:
The present invention in general relates to the field of fabric sanitization device. In particular, the present invention relates to a fabric sanitization device for, but not limited to, utility in corporate hospitals to sanitize the fabric specially as disinfecting the surgical cloth.
BACKGROUND OF THE INVENTION
Some fabric treatment appliances, such as a washing machine, a clothes dryer, and a fabric refreshing or revitalizing machine, utilize steam generators for various reasons. The steam from the steam generator can be used to, for example, heat water, heat a load of fabric items and any water absorbed by the fabric items, de-wrinkle fabric items, remove odors from fabric items, etc. The steam can also be employed for imparting heat to the fabric load to sanitize the fabric items whereby all or a portion of microorganisms, such as bacteria, fungi, and viruses, present on the fabric items are killed, removed, or otherwise rendered innocuous.
There are few references made to the present invention as given below:
US5802648A discloses a method cleaning a fabric traveling in a direction through the effect of a water jet impacting thereon comprising the steps of:
providing a jet of water at a pressure of approximately 1600 psi and above whereupon a change in the amount of pressure of the jet allows a change in the mass and velocity of water used so that a desired amount of energy of the jet is maintained; causing said jet of water to impact on a fabric which is to be cleaned; and moving said jet across said fabric in a direction substantially perpendicular to the direction of travel of the fabric.
CN215878011U relates to a pipette stand convenient for cleaning and air drying, which comprises a workbench, a conveying assembly, a pipette stand, a cleaning box and an air drying box, wherein the workbench is fixedly provided with a front supporting plate and a rear supporting plate; according to the utility model, the conveying

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