

superior airflow and greater bond strength over the bedding product disclosed in EP2209405B1.

The present invention relates to a hermetically sealed infection control bedding product as claimed in claim 1 and a method of manufacture of a hermetically sealed infection control bedding product as claimed in the independent method claim of the appended claims. Preferred features are also claimed in the dependent claims appended hereto.

Detailed Description

The invention will now be described more particularly with reference to the accompanying drawings, in which are shown, by way of example only, three embodiments of a pillow in accordance with the present invention.

The embodiments shown in the drawings comprise an infection control pillow but of course, it is to be understood that a pillow is provided as an example only, and that many other infection control bedding Products are within the scope of the present invention.

In the drawings:

Figure 1 is a plan view of the inside of a pillow relating to all the embodiments of the present invention;

Figure 2 is an exploded view of the layers of materials included in the first embodiment of the infection control bedding product of the present invention;

Figure 2A is a schematic diagram of the layers of the components with an exploded view showing the glue dots applied to the strengthening layer as shown in Figure 2A(iii) and Figure 2A (iiia);

Figure 3a is a schematic view of the pillow of the first embodiment including the filter medium in accordance with the present invention;

Figure 3b is a sectional view along the line A- A of Figure 3a and showing a detailed construction of the filter medium of the first embodiment prior to welding.

Figure 4 is a schematic view of the pillow of the first embodiment including the filter medium after High Frequency (HF) welding;

Figure 4b is a sectional view along the line B-B of the filter medium shown in the first embodiment in Figure 3(a) showing the construction of the filter medium after welding;

Figure 4c is an electron microscope image of the interface between the filter medium/pillow cover fabric, following welding;