

Antibacterial coating for sanitary products

ABSTRACT:

Our partner, a Hungarian SME has developed a highly durable antibacterial coating technology that can be applied on various sanitary products, for example on sinks, bathtubs and shower trays. The company is looking for possible extensive cooperation in the field of sanitary product manufacturing including partners interested in licensing the technology and manufacturing antibacterial sanitary products or interested in the distribution of our partner's antibacterial or conventional sanitary products made from artificial marble or concrete; or interested in contract manufacturing services.

TECHNOLOGY OVERVIEW:

In recent years, it was realized by our partner that due to the increasing competition in the market, they should turn towards new and innovative technologies. The present technology represents a unique innovation in the market of sinks, bathtubs and shower trays. By

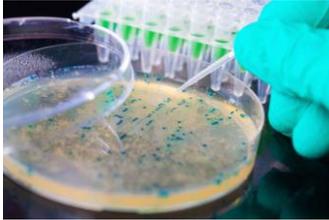


applying a non-hazardous ingredient, the above mentioned sanitary products can be coated with a thin layer of antibacterial material. Applying the technology results in a self-disinfecting, highly durable surface that perfectly meets hygienic needs of today's customers.

TECHNOLOGY FEATURES AND SPECIFICATIONS:

Over the past two years, the qualities of the existing sanitary products of our partner have been improved by nanotechnology. They have developed a durable, non-removable, harmless nanocoating for their sanitary products, which provides anti-bacterial protection. The anti-bacterial coating prevents bacteria, fungi and other contaminants from sticking to the surface of the products. The technology was developed for artificial marble and concrete products.





As a result of these improved hygiene conditions, the chance of infection is greatly reduced. Additionally, the use of antiseptic products can be minimized, making the coating environmentally friendly and also skin-friendly.

POTENTIAL APPLICATIONS:

Antibacterial coating on various sanitary products: for example on sinks, bathtubs and shower trays.

CUSTOMER BENEFITS:

- Nanotechnology enabled antibacterial surface;
- Prevents food/water derived disease outbreaks;
- High durability, long lifetime;
- Environmentally favorable (less cleaning needed);
- Cost-efficient (by reducing cleaning needs, it saves water, energy and labor);
- Highly resistant to abrasion;
- Easy to clean;
- Regarding the products' antibacterial activity the test were conducted according to European Union standards: ISO 22196:2011 és ISO 27447:2009;
- Side effects are not expected since the antibacterial material coating does not dissolve on the surface of the sanitary product. It is insoluble and durable.

ADDITIONAL INFORMATION:

The owners are considering the patent application.

TECHNOLOGY READINESS LEVEL:

The technology is ready to market.



TYPE OF COLLABORATION:

Looking for partners interested in:

- Licensing the technology and manufacturing antibacterial sanitary products, or
- Distribution of the antibacterial and/or conventional sanitary products, or
- Contract manufacturing service.

For further information please contact:

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