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Available:

Grad Students:

Stable Homogenously Mixed Nanoscale  
Coatings Derived from Unique Multi-  
functional and Multidentate Aromatic  
Adsorbates

U.S. Patent Application Number: 13/788,974

UHID: 2010-020

**Technology Description:** Hydrophobic nano coating technology that can be applied on glass and metal to protect the surface from contaminants. It is made of self-assembling alkanethiol molecules that form 2-4 nanometer films on the applied surface. This film repels water and other micro chemicals, keeping the base surface untouched by moisture and other contaminants.

**Potential Applications:** There are many glass applications such as windows of business buildings, residential glass (exterior windows, mirrors, standing showers), automotive glass, solar panels. It can also be used on metallic building structures, bearings and steel used in construction.

**Time to market:**