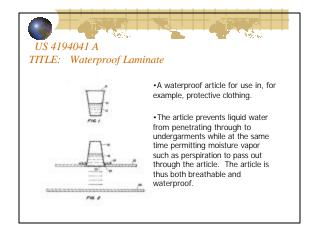


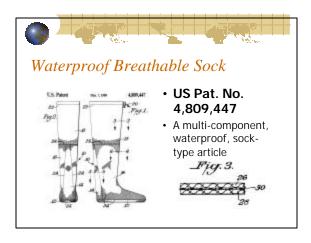
Karin Ferriter Patent Attorney Office of International Relations US Patent and Trademark Office Technological Advances as a Tool for Enhancing the Competitiveness

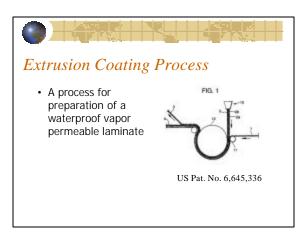
 The first known textile was made from flax, and, since flax was introduced, textiles, and the apparel made from textiles and other products, have continued to be modified and improved for a variety of purposes.



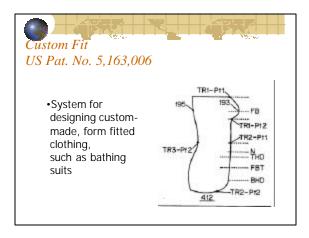


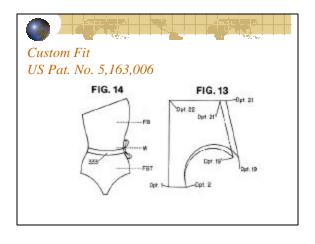




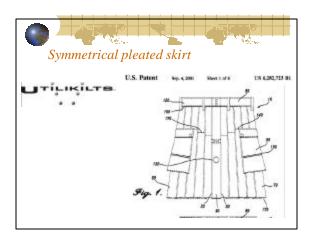
















Examples of Technology in Textiles: Nanotechnology

 Molecular Nanotechnology – through three dimensional structure control of materials and devices at the molecular level, the products and processes of molecular manufacturing

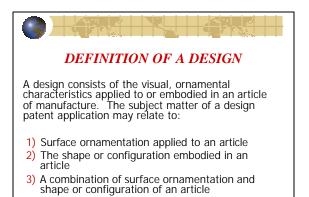
Applications of Nanotechnology

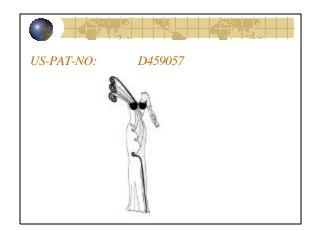
- *nanotechnology* can be used to create better:
- radiation detectable and protective articles
- water-repellent articles
- antibacterial textile fabrics
- wrinkle-resistant textiles
- color in textile coatings
- thermal enhancing textiles

Intellectual Property Protection for Technological Advances

- · Design Patents
- · Utility Patents
- Trademarks
- Copyrights
- Unfair trade Protection; Trade Secrets

Intellectual Property Protection for Technological Advances In the U.S., innovative textiles and clothing can be protected with: A design patent, if: "new, original and ornamental design for an article of manufacture..." If technology does not change the appearance, design patent protection would not be appropriate











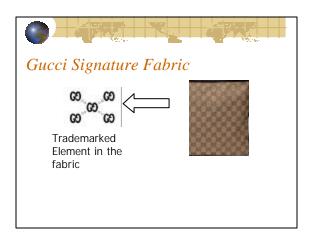


Intellectual Property Protection for Technological Advances

- In the U.S., innovative textiles and clothing can also be protected with:
 - A trademark, if
 - they are nonfunctional and distinctive ("product-design trade dress")
 - Distinctiveness requires a showing that the design has acquired a "secondary meaning"





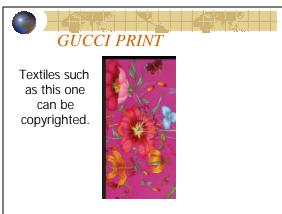


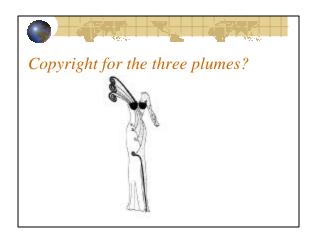
















others from using the dye if:

- A trade secret existed
- The trade secret was communicated to the other person
- The person used the communicated information, knowing that it was a trade secret
- Injury resulted to the company that had the _ trade secret



Office of International Relations:

\$571-272-9300

Website:

□www.uspto.gov