ABSTRACT

Infrared covert tags use commodity chemicals to protect products against counterfeiting. InfraTrac’s patented tagging process is designed to quickly and easily authenticate the field, without altering the physical features of the product. The following applications show some of the possibilities.

OBJECTIVE

The following applications have been developed to provide coatings for a host of materials ranging from paperboard to pharmaceuticals, computer chips, and computer controlled devices. Pharmaceutical “smart” alginates, metal and plastic, and metal and plastic, are examples of materials that can benefit from the technology. The InfraTrac approach to brand protection is supported by numerous patents and applications, flexible and cost effective for brand protection.

EXPERIMENTAL

Coating For Paperboard
- InfraTrac covert taggant mix applied on proprietary paperboard with clay-starch coating
- Taggant had to meet process viscosity
- Several taggant concentration

Coating For Computer Chips
- InfraTrac Lutracore cut taggant mix applied on computer chip at three levels of thickness: 3.5, 7, and 10 mil
- Taggant had to meet stress requirement
- Several/lutracore taggant specification

Coating For Pharmaceutical Aluminum Vials
- InfraTrac covert taggant mix applied on computer chip at three levels of thickness: 3.5, 5.5, and 7.5 mil
- Taggant had to meet stress requirement
- Several/lutracore taggant specification

RESULTS

The following applications have been developed to provide coatings for a host of materials ranging from paperboard to pharmaceuticals, computer chips, and computer controlled devices. Pharmaceutical “smart” alginates, metal and plastic, and metal and plastic, are examples of materials that can benefit from the technology.

CONCLUSIONS

The following applications have been developed to provide coatings for a host of materials ranging from paperboard to pharmaceuticals, computer chips, and computer controlled devices. Pharmaceutical “smart” alginates, metal and plastic, and metal and plastic, are examples of materials that can benefit from the technology.