WIRELESS ENABLED BAGS AND CONTAINERS

This application is a divisional application of Singapore Patent Application No 200904296-1 "WIRELESS ENABLED BAGS AND CONTAINERS" filed on 23.06.2009.

Field of the Invention

The present invention relates to a process ~~and device~~ for incorporating wireless enabled devices permanently into disposable bags and containers. More particularly, it relates to the incorporation of a wireless device, such as a RFID tag, into the structure of the bag or container or a component of the bag or container that is permanently attached to the bag or container. ~~WO 99 119 651 discloses such a process.~~

Background of the Invention

The use of identification and preferably active or interactive identification devices is becoming a popular item for several businesses. These range from simply bar codes to three dimensional bar codes to more recently wireless devices such as read only or read-write RFID chips (active or interactive systems).

In many products, the wireless device is simply attached to the carton in which it is shipped and is useful only during storage and transport.

More recently, the wireless devices have begun to be attached to the product itself so that it can be enquired any time during its life.

On plastic parts such as tubing and filters, various methods have been suggested for attaching such a tag. These include molding the tag onto a collar on the tubing or to mold the tag as part of the tubing or filter housing. In other applications, the use of an adhesive patch or pouch to bond the tag to the product has been suggested. The use of a spiral wrap of tape to contain the tag