Abstract of the Invention

WIRELESS ENABLED BAGS AND CONTAINERS

The present invention provides a process for incorporating a wireless device into a plastic container as part of the steps of manufacturing the container. The plastic container can be a flexible plastic bag and are formed of one or more sheets, generally two or more sheets of plastic film or a rigid plastic container such as a tub or tote. The bags are formed by sealing together adjacent edge portions of each film layer. One embodiment of the present invention is to incorporate a wireless device between the edge portions of the film(s) before or during sealing so that the wireless device becomes permanently sealed into the film material but is isolated from both the bag interior and the outside environment. Another embodiment is to incorporate the wireless device onto or into a plastic component that is sealed to the container, such as a nipple or port, so that the wireless device becomes permanently sealed to the container but is isolated from both the container interior and the outside environment.

Figure 1