Abstract

Methods For Controlling Shipment Of A Temperature Controlled Material Using A Spill Proof Shipping Container

A shipping container is used with methods for controlling shipment of a temperature controlled material so that once a customer order is initiated with a customer origin point and a customer destination the shipping container with a phase change material maintaining a sample chamber within the shipping container within a desired temperature range is shipped to the customer origin point where a temperature controlled material is loaded into the sample chamber and then the shipping container is shipped to the customer destination and then returned to a repurposing site and periodic location of the shipping container is tracked by use of a wireless location sensor associated with the shipping container during its shipment. The health of the shipping container, as well as the temperature of its sample chamber, can also be monitored, tracked, recorded and retrieved either during shipment or at the conclusion of a shipping cycle.

Fig.1