

METHOD AND APPARATUS FOR WRAPPING A SHIPMENTAbstract

Embodiments of the invention relate to a cover, a method of covering, and a cover system to be used with shipments of products transported by air with ULDs. The dimensions of the cover system can vary depending on the ULD they are designed to be used with. The cover system can also be adapted to any individual skid such as wooden or plastic pallets used for smaller loads used in air transport or any other mode of transportation. The cover system can include one or multiple parts that wrap the shipment. Each part of the cover system can be made of one or more layers. Each layer can be made of a single material or a combination of different materials, and different layers can incorporate different materials. The different parts of the cover can be made of different materials or different combination of materials. In specific embodiments, materials used for the cover system are Radio Frequency Identification (RFID) friendly. The cover system provides thermal protection to temperature-sensitive products in or on the ULD. The cover system maintains the proper relative humidity level and gas concentrations (oxygen, carbon dioxide and ethylene) for horticultural product loads. The cover system can also have antimicrobial properties. In addition, the cover system decreases the amount of water vapor released in the cargo holds which is known to affect the reliability of the aircraft smoke detection system and to cause false fire alarms.

Fig.1