

MULTI-FUNCTIONAL SHIPPING SYSTEM FOR INTEGRATED CIRCUIT DEVICES

ABSTRACT

A multifunctional shipping container for integrated circuits, and methods of using and reusing the container are described. The compact container coupled with foam inserts is dimensioned to securely ship and store integrated circuits in either tray or reel format. The container with an expandable cavity allows ease of access for loading and unloading the contents at multiple work stations, and may be converted to an in-house "tote". Multifunctionality of the container supports use as a shipping system from the tray or reel supplier, to the IC assembly and test site, to distribution centers, and to the IC customer, thus eliminating multiple costs of disposal, inventory and new shipping materials.

Fig. 4