

Title (en)
Combination insulation system

Title (de)
Kombinationsisoliersystem

Title (fr)
Système d'isolation de combinaison

Publication
EP 2602208 A1 20130612 (EN)

Application
EP 12195100 A 20121130

Priority
GB 201120867 A 20111205

Abstract (en)
A thermally insulating packaging system comprising insulated walls surrounding an internal cavity. At least one of the faces of the packaging system is insulated with a first type of thermal insulating material and the remaining faces of the packaging system are insulated with a second type of insulating material. The first insulation material is a Vacuum Insulation Panel (VIP) having a substantially constant thickness. The VIP is fitted to a frame, which is formed by a single piece of the second insulation material. Here, the second insulating material is a shaped insulating foam such as an expanded or extruded polymer foam material formed into a complex shape having varying wall thickness. The frame provides a support for the VIP via a contact surface. The VIP is held in contact with the frame. Here, the frame can be shaped and sized so as to provide a positive holding force. Additionally or alternatively, an outer cover can be used such as a rigid external fitting, flexible cover, shrinkable or elastic cover or other means.

IPC 8 full level
B65D 81/38 (2006.01)

CPC (source: EP US)
B65B 55/00 (2013.01 - US); **B65D 81/3823** (2013.01 - US); **B65D 81/3862** (2013.01 - EP US)

Citation (search report)
[X] DE 20301839 U1 20030528 - VA Q TEC AG [DE]

Cited by
IT201600093574A1; CN106458423A; EP3552987A3; AU2020203466B2; US11453517B2; WO2016182493A1; US10287085B2; US11151508B2; WO2015180808A1; WO2015171036A3

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