

Title (en)
CONVECTION BASED TEMPERATURE ASSURED PACKAGING SYSTEM

Title (de)
KONVEKTIONSBASIERTES TEMPERATURGESICHERTES VERPACKUNGSSYSTEM

Title (fr)
SYSTÈME D'EMBALLAGE ASSURÉ PAR TEMPÉRATURE PAR CONVECTION

Publication
EP 3233648 A4 20181010 (EN)

Application
EP 16765832 A 20160318

Priority
• US 201514661478 A 20150318
• US 2016023163 W 20160318

Abstract (en)
[origin: WO2016149627A1] A packaging system (70) for a temperature sensitive payload is provided. The system (70) comprises insulative panels, including side panels (78) and end panels (80), forming a product compartment (82). Cooling layers (28, 30) within the product compartment (82) are located below and above the payload (56). Channel members (84) affixed to the side panels (78) and/or the end panels (80) create spaces (90) and channels (91) for convective air movement.

IPC 8 full level
B65D 19/26 (2006.01); **B65D 19/38** (2006.01); **B65D 81/38** (2006.01)

CPC (source: EP)
B65D 19/06 (2013.01); **B65D 81/3823** (2013.01); **B65D 2519/00019** (2013.01); **B65D 2519/00029** (2013.01); **B65D 2519/00034** (2013.01); **B65D 2519/00044** (2013.01); **B65D 2519/00064** (2013.01); **B65D 2519/00099** (2013.01); **B65D 2519/00159** (2013.01); **B65D 2519/00174** (2013.01); **B65D 2519/00184** (2013.01); **B65D 2519/00194** (2013.01); **B65D 2519/00208** (2013.01); **B65D 2519/00218** (2013.01); **B65D 2519/00273** (2013.01); **B65D 2519/00293** (2013.01); **B65D 2519/00323** (2013.01); **B65D 2519/00333** (2013.01); **B65D 2519/00353** (2013.01); **B65D 2519/00502** (2013.01); **B65D 2519/00621** (2013.01); **B65D 2519/00666** (2013.01); **B65D 2519/00716** (2013.01)

Citation (search report)
• [A] US 2632311 A 19530324 - SULLIVAN GEORGE H
• [A] US 2533773 A 19501212 - LA FORET NORMAN F DE
• [A] US 2006174648 A1 20060810 - LANTZ GARY [US]
• See references of WO 2016149627A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2016149627 A1 20160922; AU 2016232755 A1 20170803; AU 2016232755 B2 20181115; AU 2016232755 C1 20190725; EP 3233648 A1 20171025; EP 3233648 A4 20181010; EP 3233648 B1 20190417; EP 3508434 A1 20190710; EP 3508434 B1 20220309; ES 2732775 T3 20191125; ES 2913001 T3 20220530; SG 11201706988V A 20170928

DOCDB simple family (application)
US 2016023163 W 20160318; AU 2016232755 A 20160318; EP 16765832 A 20160318; EP 19159959 A 20160318; ES 16765832 T 20160318; ES 19159959 T 20160318; SG 11201706988V A 20160318