

Title (en)

PACKAGING SYSTEMS FOR THE CONTROL OF RELATIVE HUMIDITY OF FRESH FRUITS, VEGETABLES AND FLOWERS WITH SIMULTANEOUS REGULATION OF CARBON DIOXIDE AND OXYGEN

Title (de)

VERPACKUNGSSYSTEME ZUR STEUERUNG DER RELATIVEN FEUCHTIGKEIT VON FRISCHEN FRÜCHTEN, FRISCHEM GEMÜSE UND FRISCHEN BLUMEN UNTER GLEICHZEITIGER REGULIERUNG VON KOHLENDIOXID UND SAUERSTOFF

Title (fr)

SYSTÈMES D'EMBALLAGE POUR LE CONTRÔLE D'HUMIDITÉ RELATIVE DE FRUITS, LÉGUMES ET FLEURS FRAIS, AVEC RÉGULATION SIMULTANÉE DE DIOXYDE DE CARBONE ET D'OXYGÈNE

Publication

EP 2121477 A1 20091125 (EN)

Application

EP 06835986 A 20061219

Priority

SG 2006000396 W 20061219

Abstract (en)

[origin: WO2008076075A1] A water permeable sealed container for preservation of produce such as fruit, vegetables and flowers made out of three layer laminate corrugated to form, further three to five layer construct. The layers also include a layer of Kraft paper fluting and layer of polymer which is enclosed between two layers of Kraft paper. The container has a lid, which absorbs water vapor and transmits water vapor from the interior of the container to the exterior through micro perforations. The container can also regulate relative humidity within a range of 75% to 85% for some foods by removing moisture from the food generated from respiration and suppressing product decay due to microorganisms. The laminate may be die cut to be formed into a range of box designs for vertical profiles that provide ventilation spaces between containers in a vertical stack and to provide airflow channels within a stack.

IPC 8 full level

A01G 5/00 (2006.01); **A23B 7/148** (2006.01); **A23L 3/3418** (2006.01); **B65B 25/04** (2006.01); **B65B 31/00** (2006.01); **B65D 43/00** (2006.01); **B65D 65/40** (2006.01); **B65D 81/18** (2006.01); **B65D 81/24** (2006.01); **B65D 85/34** (2006.01); **B65D 85/50** (2006.01)

CPC (source: EP US)

B65B 25/023 (2013.01 - EP US); **B65B 25/041** (2013.01 - EP US); **B65D 81/26** (2013.01 - EP US); **B65D 85/34** (2013.01 - EP US); **B65D 85/505** (2013.01 - EP US)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2008076075 A1 20080626; CN 102186744 A 20110914; EP 2121477 A1 20091125; EP 2121477 A4 20100908; TW 200827262 A 20080701; US 2010127059 A1 20100527

DOCDB simple family (application)

SG 2006000396 W 20061219; CN 200680056914 A 20061219; EP 06835986 A 20061219; TW 96148524 A 20071218; US 52029410 A 20100107