

Title (en)

Apparatus and method of producing flexible packages having an automatic closure feature

Title (de)

Vorrichtung und Verfahren zum Herstellen von Verpackungen mit automatischem Verschluss

Title (fr)

Dispositif et procédé pour la fabrication des emballages avec des fermetures automatiques

Publication

EP 2243707 A2 20101027 (EN)

Application

EP 10250813 A 20100422

Priority

US 42985509 A 20090424

Abstract (en)

A reclosable flexible package (10) is suitable for retail sale of food products and is comprised of a film material. The reclosable flexible packages (10) are suitable for mass production on high-speed form-fill-seal equipment. The flexible package includes a pair of semi-rigid strips (14,16) attached to the walls of the flexible pouch and positioned parallel to the package opening. The semi-rigid strips (14,16) are configured and arranged to nest together and bias toward one another. Upon opening of the package, the semi-rigid strips (14,16) are moveable between a closed position and an open position. Further, the semi-rigid strips (14,16) are configured such that they automatically reclose the package when the strips are released from the open position.

IPC 8 full level

B65B 9/04 (2006.01); **B65B 9/08** (2012.01); **B65B 9/20** (2012.01); **B65B 61/18** (2006.01); **B65D 33/25** (2006.01); **B65B 7/16** (2006.01); **B65B 47/04** (2006.01)

CPC (source: EP US)

B65B 9/042 (2013.01 - EP US); **B65B 9/087** (2013.01 - EP US); **B65B 9/093** (2013.01 - EP US); **B65B 9/20** (2013.01 - EP US); **B65B 9/207** (2013.01 - EP US); **B65B 9/213** (2013.01 - EP US); **B65B 61/02** (2013.01 - EP US); **B65B 61/18** (2013.01 - EP US); **B65B 61/188** (2013.01 - EP US); **B65D 33/007** (2013.01 - EP US); **B65D 33/30** (2013.01 - EP US); **B65B 7/164** (2013.01 - EP US); **B65B 47/04** (2013.01 - EP US); **B65B 2220/08** (2013.01 - EP US); **B65D 75/5805** (2013.01 - EP US)

Citation (examination)

FR 1209370 A 19600301

Designated contracting state (EPC)

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 SE SI SK SM TR

Designated extension state (EPC)

AL BA ME RS

DOCDB simple family (publication)

US 2009266036 A1 20091029; AR 076414 A1 20110608; BR PI1001168 A2 20131224; CN 101920794 A 20101222; CO 6270034 A1 20110420; EP 2243707 A2 20101027; EP 2243707 A3 20120919; MX 2010004522 A 20101025

DOCDB simple family (application)

US 42985509 A 20090424; AR P100101383 A 20100423; BR PI1001168 A 20100422; CN 201010171602 A 20100422; CO 10048152 A 20100423; EP 10250813 A 20100422; MX 2010004522 A 20100423