

Title (en)

PACKAGING APPARATUS FOR HANDLING PILLS AND ASSOCIATED METHOD

Title (de)

VERPACKUNGSVORRICHTUNG ZUR HANDHABUNG VON TABLETTEN UND ZUGEHÖRIGES VERFAHREN

Title (fr)

DISPOSITIF DE CONDITIONNEMENT POUR MANIPULATION DE PILULES, ET PROCÉDÉ ASSOCIÉ

Publication

**EP 2188181 A1 20100526 (EN)**

Application

**EP 08797473 A 20080808**

Priority

- US 2008072606 W 20080808
- US 95497207 P 20070809

Abstract (en)

[origin: WO2009021175A1] A packaging apparatus (1.0) and method are provided for depositing pills into a container (16). At least one cylindrical rotary slat (18) is rotatable about a longitudinal axis and includes a radially inward portion defining a plurality of pill apertures (22). Each pill aperture receives a pill from a plurality of pills in an interior space of the respective cylinder at a first angular position of the rotary slat. A negative pressure system applies a negative pressure to the pill apertures to retain the pills therein as- the rotary slat rotates at least from the first to a second angular position. An ejection mechanism (95) ejects the pills from the respective pill apertures toward the interior space at the second angular position. A collection mechanism (62) disposed adjacent to the radially inward portion of the rotary slat about the second angular position collects the ejected pills and directs the pills toward the container for deposition therein.

IPC 8 full level

**B65B 5/10** (2006.01); **B65B 35/08** (2006.01)

CPC (source: EP US)

**B65B 1/366** (2013.01 - EP US); **B65B 5/103** (2013.01 - EP US); **B65B 35/08** (2013.01 - EP US); **B65B 35/28** (2013.01 - EP US)

Citation (search report)

See references of WO 2009021175A1

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 MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

**WO 2009021175 A1 20090212**; EP 2188181 A1 20100526; US 2009094947 A1 20090416; US 2011113730 A1 20110519

DOCDB simple family (application)

**US 2008072606 W 20080808**; EP 08797473 A 20080808; US 18853508 A 20080808; US 201113012451 A 20110124