

Title (en)
PACKAGING DEVICE, MEASURING AND PACKAGING DEVICE, AND METHOD OF MANUFACTURING PACKAGED ARTICLE

Title (de)
VERPACKUNGSVORRICHTUNG, MESS- UND VERPACKUNGSVORRICHTUNG UND VERFAHREN ZUR HERSTELLUNG EINES VERPACKTEN ARTIKELS

Title (fr)
DISPOSITIF D'EMPAQUETAGE, DISPOSITIF DE MESURE ET D'EMPAQUETAGE ET PROCEDE DE FABRICATION D'UN ARTICLE EMPAQUETE

Publication
EP 1661811 A1 20060531 (EN)

Application
EP 04748249 A 20040805

Priority
• JP 2004011269 W 20040805
• JP 2003205994 A 20030805

Abstract (en)

To provide a packaging apparatus for packaging a granular object which can reduce the residual air in a package to prevent expansion thereof with an increase in temperature after sealing. The packaging apparatus comprises a charging device 30 for charging a granular object having adsorption ability into a storage bag 90 having an open end, an air removing device 50 for expelling air from the storage bag 90 into which the granular object has been charged, and a sealing device 40 for sealing the open end of the storage bag 90 from which air has been expelled, wherein the sealing device 40 is actuated with a slight delay after air has been expelled from the storage bag 90 by the air removing device 50.

IPC 1-7
B65B 51/10; B65B 9/10

IPC 8 full level
B65B 9/10 (2006.01); **B65B 31/04** (2006.01); **B65B 61/28** (2006.01); **B65B 9/20** (2012.01)

CPC (source: EP KR US)
B65B 9/10 (2013.01 - KR); **B65B 9/207** (2013.01 - EP US); **B65B 9/213** (2013.01 - EP US); **B65B 61/28** (2013.01 - EP US);
B65B 63/08 (2013.01 - EP US); **B65B 9/2007** (2013.01 - EP US); **B65B 2220/18** (2013.01 - EP US); **B65B 2220/22** (2013.01 - EP US)

Cited by
EP2246263A1; ITPI20080113A1; WO2010061258A3

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1661811 A1 20060531; EP 1661811 A4 20060927; CN 1842469 A 20061004; JP WO2005012103 A1 20070927;
KR 100550724 B1 20060208; KR 20050015942 A 20050221; US 2007199282 A1 20070830; WO 2005012103 A1 20050210

DOCDB simple family (application)
EP 04748249 A 20040805; CN 200480022436 A 20040805; JP 2004011269 W 20040805; JP 2005512578 A 20040805;
KR 20030069147 A 20031006; US 56703104 A 20040805