Title (en)
SYSTEM AND METHOD FOR APPLYING OPENING DEVICES ONTO PACKAGES

Title (de)
SYSTEM UND VERFAHREN ZUM AUFBRINGEN VON ÖFFNUNGSVORRICHTUNGEN AUF PACKUNGEN

Title (fr)
SYSTEME ET PROCEDE DESTINES D'APPLICATION DE DISPOSITIFS D'OUVERTURE SUR DES EMBALLAGES

Publication
EP 1474284 B1 20061122 (EN)

Application
EP 02791169 A 20021205

Priority
• SE 0202232 W 20021205
• SE 0200029 A 20020108

Abstract (en)
[origin: WO03057460A1] A system (14) and a method for applying opening devices (2) onto packages (3) of pourable food products are provided. The system comprises a package conveyor (6) for feeding the packages along a predetermined path (P) and an application apparatus (13) for applying the opening devices onto the packages on the package conveyor. The application apparatus comprises an optical detection unit (30) for detecting an application point on one of the packages (20) on the package conveyor. The application apparatus further comprises a pick and place unit (36) for receiving application information regarding the detected application point from the optical detection unit, picking one of the opening devices and placing it onto said one of the packages on the package conveyor by means of the application information.

IPC 8 full level
B31B 1/84 (2006.01); **B31B 1/74** (2006.01); **B65B 61/18** (2006.01)

CPC (source: EP KR US)
B31B 50/006 (2017.07 - KR); **B31B 50/84** (2017.07 - KR); **B65B 61/186** (2013.01 - EP KR US); B31B 50/006 (2017.07 - EP US); B31B 50/84 (2017.07 - EP US)

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

DOCDB simple family (publication)
WO 03057460 A1 20030717; AP 2004003090 A0 20040930; AT E345922 T1 20061215; AU 2002367307 A1 20030724; BR 0215499 A 20050405; CN 1622877 A 20050601; DE 60216325 D1 20070104; DE 60216325 T2 20070621; DK 1474284 T3 20070326; EP 1474284 A1 20041110; EP 1474284 B1 20061122; ES 2275940 T3 20070616; JP 2005514231 A 20050519; KR 20040075063 A 20040826; MX PA04006638 A 20041110; PT 1474284 E 20070228; RU 2004124051 A 20050510; RU 2301149 C2 20070620; SE 0200029 D0 20020108; SE 0200029 L 20030709; SE 524756 C2 20040928; UA 78749 C2 20070425; US 2005173438 A1 20050811

DOCDB simple family (application)
SE 0202232 W 20021205; AP 2004003090 A 20021205; AT 02791169 T 20021205; AU 2002367307 A 20021205; BR 0215499 A 20021205; CN 02828428 A 20021205; DE 60216325 T 20021205; DK 02791169 T 20021205; EP 02791169 A 20021205; ES 02791169 T 20021205; JP 2003557800 A 20021205; KR 20047010692 A 20021205; MX PA04006638 A 20021205; PT 02791169 T 20021205; RU 2004124051 A 20021205; SE 0200029 A 20020108; UA 20040806528 A 20021205; US 50084705 A 20050414