

Title (en)

Singulating device for small products as well as a packaging machine comprising such a singulating device

Title (de)

Vereinzelungseinrichtung für kleinstückige Produkte sowie Verpackungsmaschine mit einer solchen Vereinzelungseinrichtung

Title (fr)

Dispositif de séparation de petits produits ainsi qu'une machine d'emballage comprenant un tel dispositif de séparation

Publication

EP 2610183 B1 20160504 (DE)

Application

EP 12008568 A 20121221

Priority

DE 102011122542 A 20111227

Abstract (en)

[origin: EP2610183A1] The packaging machine has an inner separator disc (3) that is rotated about a vertical rotation axis (1). The outer circumference of the separating plate (2) is provided with a feeder ring (4) rotated around a vertical rotation axis. The feeder ring is provided with several recesses (5) through which the products (P) are entered into a removal region (6). The isolated product is removed from the respective recess of feed ring using removal device (7).

IPC 8 full level

B65B 25/00 (2006.01); **B65B 35/08** (2006.01); **B65G 47/14** (2006.01)

CPC (source: EP)

B65B 25/006 (2013.01); **B65B 35/08** (2013.01)

Cited by

CN111330923A; CN104229203A; CN104477433A

Designated contracting state (EPC)

AL 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 RS SE SI SK SM TR

DOCDB simple family (publication)

EP 2610183 A1 20130703; EP 2610183 B1 20160504; DE 102011122542 A1 20130627; ES 2575385 T3 20160628

DOCDB simple family (application)

EP 12008568 A 20121221; DE 102011122542 A 20111227; ES 12008568 T 20121221