

Title (en)

Method and apparatus for automatically opening and emptying closed cartons for rod-like articles from the tobacco processing industry

Title (de)

Verfahren und Vorrichtung zum automatischen Öffnen und Entleeren von verschlossenen Kartons für stabförmige Artikel der Tabak verarbeitenden Industrie

Title (fr)

Procédé et dispositif pour ouvrir et vider automatiquement des boîtes en carton fermées pour des produits en forme de tige de l'industrie de tabac

Publication

**EP 1118543 B1 20030611 (DE)**

Application

**EP 00000001 A 20001208**

Priority

DE 10002190 A 20000119

Abstract (en)

[origin: EP1118543A1] The method comprises opening the top of a container; moving the container from one level to a different second level; and then causing the container to change its orientation from one orientation in which the products are located below the opened top to a second orientation in which the products are evacuated through the opened top by gravity flow. Independent claims are included for apparatus for automatically manipulating initially closed containers containing smokers' products.

IPC 1-7

**B65B 69/00**; **A24C 5/356**

IPC 8 full level

**A24C 5/356** (2006.01); **B65B 69/00** (2006.01)

CPC (source: EP US)

**A24C 5/356** (2013.01 - EP US); **B65B 69/00** (2013.01 - EP US)

Cited by

EP3269264A1; WO2018011250A1; EP3269263A1; EP3300614A1; CN102987551A; ITBO20090228A1; CN102085933A; ITBO20090229A1; ITBO20130472A1; RU2732112C1; JP2018078882A; EP3289889A1; WO2015033264A1; EP3269261A1; WO2018011248A1; EP3269262A1; EP3300613A1; US10271575B2

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