

Title (en)
Product dispensing machine and dispensing method

Title (de)
Produktausgabemaschine und Ausgabeverfahren

Title (fr)
Distributeur de produits et procédé de distribution

Publication
EP 2363841 A1 20110907 (EN)

Application
EP 10155534 A 20100304

Priority
EP 10155534 A 20100304

Abstract (en)
The invention relates to a product dispensing machine comprising a motorized collecting means and a plurality of product trays, each being arranged to store products in line and comprising a dispensing mechanism at an outer end of the tray. The motorized collecting means is arranged to approach each of said product trays and to move at least one dispensing mechanism from a blocking position, in which said dispensing mechanism blocks a product first in line on said tray, into a dispense position in which the product first in line is removed from the tray onto the collecting means, said dispensing mechanism being arranged to block a product second in line while being in the dispense position.

IPC 8 full level
G07F 11/28 (2006.01); **G07F 11/42** (2006.01)

CPC (source: EP US)
G07F 11/005 (2013.01 - EP); **G07F 11/165** (2013.01 - EP US); **G07F 11/28** (2013.01 - EP); **G07F 11/42** (2013.01 - EP)

Citation (applicant)
WO 03074396 A1 20030912 - MALDONADO ALEXANDRE [BR]

Citation (search report)
• [X] US 2005067426 A1 20050331 - HOLDWAY JOHN BARRETT [US], et al
• [X] US 6513677 B1 20030204 - SORENSEN STEVEN W [US], et al
• [A] US 6682289 B1 20040127 - CREDLE JR WILLIAM S [US]
• [A] US 5121854 A 19920616 - TROUTEAUD LEE E [US], et al
• [A] US 5873489 A 19990223 - IDE YOSHIKI [JP], et al
• [A] US 2784872 A 19570312 - LUX EUGENE J

Cited by
CN103723380A; CN107452132A; EP3332672A1; EP3861891A1; WO2015019645A1; JP5794392B2; CN110009808A; CN110073422A; EP3555868A4; AU2017377937B2; EP4375960A3; US11170599B2; US11928910B2

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 MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)
AL BA ME RS

DOCDB simple family (publication)
EP 2363841 A1 20110907

DOCDB simple family (application)
EP 10155534 A 20100304