

Title (en)

Automatic dispenser of products to manage foods and beverages retail distribution and protection and communication systems

Title (de)

Automatischer Spender von Produkten zur Verwaltung von Nahrungsmitteln und Getränken im Einzelhandel, und Schutz und Kommunikationssysteme

Title (fr)

Distributeur automatique de produits pour gérer la distribution au détail et la protection d'aliments et de boissons et systèmes de communication

Publication

EP 2680241 A2 20140101 (EN)

Application

EP 13003025 A 20130613

Priority

IT MI20120242 U 20120628

Abstract (en)

The refillable automatic dispenser of consumer products integrated in shop window of foods and beverages retailers may enable to distribute products automatically also during closing hours to shop owners who cannot or do not want to manage the shop personally all over the day. It is dedicated in particular to foods and beverages shops, supermarkets, bars and pubs. The apparatus we are discussing about is positioned in an external facade of the shop. The automatic dispenser, shaped as a parallelepiped, has internal sections adjustable in dimensions and temperatures and shows externally the available products. It has tools to pay through the insertion of notes and coins, and also payments through credit or prepaid cards are possible. The illustrative display communicates prices and other information. A screen is used for informative, promotional, advertising and entertainment communication, which can be customized. A system of shatterproof and burglary proof sensors positioned in the shop window and to protect the other tools allows to prevent and contrast shatter and burglary. A video camera to shoot the environment in front of the shop window increases furthermore the protection level. Using this system, sales can be increased, also for products which otherwise would be wasted. Safety increases, as it becomes very unlikely that someone tries to break the shop window risking to be filmed. During closing hours, the shop appearance is very improved: from closed shutters to "talking" windows.

IPC 8 full level

G07F 11/00 (2006.01)

CPC (source: EP US)

G07F 11/004 (2020.05 - EP US); **G07F 17/0064** (2013.01 - EP US)

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2680241 A2 20140101; **EP 2680241 A3 20140319**; IT MI20120242 U1 20131229

DOCDB simple family (application)

EP 13003025 A 20130613; IT MI20120242 U 20120628