

Title (en)

AUTOMATIC VENDING MACHINE OF EDIBLE PRODUCTS AND/OR DURABLE GOODS

Title (de)

AUTOMATISCHE VERKAUFSMASCHINE FÜR ESSBARE PRODUKTE UND / ODER LANGLEBIGE WAREN

Title (fr)

DISTRIBUTEUR AUTOMATIQUE DE PRODUITS COMESTIBLES ET / OU DE BIENS DURABLES

Publication

EP 3561784 B1 20221123 (EN)

Application

EP 19170785 A 20190424

Priority

IT 201800004835 A 20180424

Abstract (en)

[origin: EP3561784A1] An automatic vending machine (1) of edible products and/or durable goods which comprises a substantially box-shaped support frame (2) presenting an inner collection room (3), a display store (4) contained in the support frame (2) and formed by a plurality of supporting shelves (5) parallel each other, arranged at different heights along a vertical direction (Y) and suitable to receive the products and/or goods to be supplied to a user, an at least partly transparent front shutter (6), revolvably coupled to the support frame (2) to allow an operator to move it in opening/closing the support frame (2), a movable bulkhead (7) coupled to the front shutter (6) and cooperating with actuation means adapted to move it between a release position, in which the movable bulkhead (7) closes an access mouth (8) of the collection room (3), and a re-enter position in which the movable bulkhead (7) opens the access mouth (8) for picking up and/or returning the products and/or goods, dispensing means (9) cooperating with the display store (4) to direct the products and/or goods selected by the user to the collection room (3) and/or to bring back to the display store (4) the products and/or goods returned by the user, and anti-shoplifting means (10), arranged in the collection room (3) and facing the access mouth (8) of the latter, in such a way as to prevent the user from accessing the display store (4) when the movable bulkhead (7) takes the re-enter position and the products and/or goods are in supply and/or return phase. In particular, the anti-shoplifting means (10) comprise a movable laminar damper (11) contained in the support frame (2) which is coupled to and operatively connected with moving means (12) which alternately move it between a rest position, defined when the movable bulkhead (7) takes the release position, in which the laminar damper (11) is arranged according to a plane parallel to the supporting shelves (5), and an operating position, defined immediately before the movable bulkhead (7) takes the re-enter position, in which the laminar damper (11) is arranged at least partly according to a plane orthogonal to the plane defined by the supporting shelves (5) and obstructs access to the display magazine (4) through said access mouth (8) when the movable bulkhead (7) takes the re-enter position.

IPC 8 full level

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CPC (source: EP US)

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G07F 11/42 (2013.01 - EP); **G07F 17/0064** (2013.01 - EP)

Cited by

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