

Title (en)

Automatic vending machine for bakery products.

Title (de)

Ausgabeautomat für Bäckereiprodukte.

Title (fr)

Distributeur automatique pour produits de boulangerie.

Publication

EP 0347356 A1 19891220 (FR)

Application

EP 89470011 A 19890616

Priority

FR 8808351 A 19880617

Abstract (en)

Automatic vending machine for long products of roughly cylindrical form, particularly for long loaves and sticks of bread. The vertical storage passage (52) consists of a space made between a vertical grid (10) and a series of vertical superposed flaps (6) forming compartments (38) whose base is formed of blocks (37) inclined so that the products stored in these compartments slide towards the flaps (6), the upper compartment (20) being open. The discharge device (56) comprises a horizontal platform (13) with a height which can be adjusted as a function of the thickness of the products stored in the vending machine and which serves as a support for the product (43) being dispensed; a horizontal bar (23) disposed above the platform (13) and integrally attached to rollers (22) by means of two sets of two arms (21) and (21') fixed to the bar (23), on the one hand by means of pivots (44) and (44') and on the other hand by springs (54) and (54'): two vertical metallic plates (28) and (28') connected to one another via a shaft (32) mounted pivotably on the supports (3) and (3') and integrally attached by means of two sets of levers (15)-(15') and (19)-(19'), on the one hand to the platform (13) and on the other hand to the bar (23), the plate (28) being integrally attached by a pivot (33) to one of the ends of a connecting rod (47) whose other end is connected by means of a pivot (46) to a cam (45) integral with a motor (34) fixed on the support (3); a guide wall (41) located below the flaps (6) and in their extension and equipped with two openings (39) and (42) for the platform (13) and the rollers (22) to pass. <IMAGE>

IPC 1-7

G07F 11/32

IPC 8 full level

G07F 11/32 (2006.01)

CPC (source: EP US)

G07F 11/32 (2013.01 - EP US)

Citation (search report)

- [X] US 3349961 A 19671031 - JEROME NATHAN, et al
- [A] US 2212797 A 19400827 - SMITH HARVEY J
- [A] US 3194431 A 19650713 - JAMES GARVIN ALEX

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