

Title (en)
AUTOMATIC DISPENSING MACHINE FOR VOLUMINOUS AND/OR HEAVY PRODUCTS AND/OR PRODUCTS SOLD IN PACKS

Title (de)
AUTOMATISCHER SPENDER FÜR VOLUMINÖSE UND/ODER SCHWERE PRODUKTE UND/ODER PRODUKTE IN PAKETEN

Title (fr)
APPAREIL DE DISTRIBUTION AUTOMATIQUE DE PRODUITS V OLUMINEUX ET/OU LOURDS ET/OU VENDUS EN PACKS

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Abstract (en)
[origin: US7591397B2] The invention concerns a reliable, simple, economical and ergonomic dispensing machine requiring little maintenance, for example of bottled mineral water sold in pack or carboy, enabling a novel dispensing circuit to be set up which combines the practical aspect for the consumer by being closer to his residence with the ecological aspect for centralized recycling of empty packs, while promoting sales for water producers. The automatic dispensing machine (1) consists of a box (10) comprising payment mechanisms (21) and/or mechanisms (22) for selecting products (2), a multistage unit for storing (30) products (2) provided with mechanisms for pushing forward (40) the selected product towards a transfer zone (50), transfer mechanism (51) mobile inside the transfer zone (50) for seizing the product (2) from the storage unit (30), separating same from other stored products (2) by tilting same by a few degrees and brining same opposite an outlet (60) closed by at least one trap-door (61) coupled with actuating mechanism (65), thrusting mechanisms (70) for delivering the product (2) outside the box (10), a recycling container (80) adjacent the box (10) provided with an inlet (81) closed by a controlled access trap-door (82) and mechanism for monitoring the whole assembly. The invention is useful for automatic dispensing of consumer products.

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