

Title (en)
Vending machine for flexible products, particularly of the type of clothes and textile items in general

Title (de)
Verkaufsautomat für flexible Produkte, insbesondere Kleidung und Textilartikel im Allgemeinen

Title (fr)
Distributeur de produits souples, en particulier de type vêtements et articles textiles en général

Publication
EP 2378495 A1 20111019 (EN)

Application
EP 11162089 A 20110412

Priority
IT MO20100114 A 20100415

Abstract (en)
A vending machine (1) for flexible products, particularly of the type of clothes and textile items in general, comprising a box-like containment structure (2); at least one station (3) for dispensing a picked-up product (P'), which is associated with the box-like structure (2) and can be accessed from the outside; at least one compartment (8), which is arranged within the box-like structure (2) to accommodate a plurality of products (P) which are mutually homogeneous and are arranged on top of each other so as to form at least one stack; and at least one assembly (11) for picking up and transferring the product (P') arranged on top of the stack toward the dispensing station (3), that is provided with suction means (12) for lifting the product (P') to be picked up. The invention is characterized in that the pickup and transfer assembly (11) comprises at least one pair of elements (13) for gripping the product (P') to be picked up, an upper one (13a) and a lower one (13b), and at least one (13a) of the two is movable toward and away from the other one (13b), alternately, for fastening and releasing the product (P') to be picked up, and means (14) for moving the grip elements (13) with an alternating translational motion along at least one vertical axis (Z) and at least one first horizontal axis (X) in the direction toward and away from the stack, the suction means (12) being adapted to lift a flap of the product (P') to be picked up so as to allow, in the pickup configuration, the approach of the grip elements (13) to the product (P') to be picked up along the first horizontal axis (X) and the positioning of the grip elements (13) on opposite sides of the flap for the fastening and transfer of the product retained between the grip elements (13) at the dispensing station (3).

IPC 8 full level
G07F 11/04 (2006.01)

CPC (source: EP)
G07F 11/045 (2013.01); **G07F 11/1657** (2020.05)

Citation (search report)
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• [A] DE 3218189 A1 19831117 - ROTEX MASCHINEN GMBH [DE]
• [A] WO 2004034342 A1 20040422 - VEND TECH SOLUTIONS HOLDINGS P [AU], et al
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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 2378495 A1 20111019; IT 1399524 B1 20130419; IT MO20100114 A1 20111016

DOCDB simple family (application)
EP 11162089 A 20110412; IT MO20100114 A 20100415