

Title (en)
VENDING MACHINE

Title (de)
VERKAUFSAUTOMAT

Title (fr)
DISTRIBUTEUR

Publication
EP 3220365 B1 20191120 (EN)

Application
EP 17160021 A 20170309

Priority
IT UA20161651 A 20160314

Abstract (en)
[origin: EP3220365A1] A vending machine (1) comprises a frame (2) in which a storage chamber for products to be delivered is delimited, and a plurality of trays (3) arranged one above the other in the storage compartment, and spaced from each other in the vertical direction (X-X). Each tray (3) comprises a base panel (31) and a plurality of partitions (3) fixed to the base panel (31) to define compartments within the storage chamber. The trays (3) comprise spiral coils (4a, 4b), and each spiral coil (4a, 4b) is disposed inside a compartment and extends about a horizontal axis (A-A, B-B). At least one compartment comprises a first spiral coil (4a) and a second spiral coil (4b), the axis (A-A) of the first spiral coil (4a) and the axis (B-B) of the second spiral coil (4b) being spaced from each other in the vertical direction (X-X). The rear end (41a, 41b) of each spiral coil (4a, 4b) is connected to support members (35) of the trays (3), whereas the front end (42a, 42b) is free. At least the first spiral coil (4a) comprises engagement members (43a), e.g. a wing at its front end (42a), which are configured to engage, i.e. abut, the front end (42b) of the second spiral coil (4b) along a section of the angular rotation path of the first spiral coil (4a) and the second spiral coil (4b).

IPC 8 full level
G07F 11/36 (2006.01)

CPC (source: EP)
G07F 11/36 (2013.01); **G07F 11/56** (2013.01); **G07F 11/60** (2013.01)

Cited by
US2021137788A1; US11426329B2; US2022347053A1

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