

Title (en)
Package vending machine

Title (de)
Verkaufsautomat für Warenpackungen

Title (fr)
Distributeur de paquets

Publication
EP 1093095 A2 20010418 (EN)

Application
EP 00204728 A 19930827

Priority
• EP 93920389 A 19930827
• US 9308104 W 19930827

Abstract (en)
[origin: EP1093094A2] The present invention relates to a vending apparatus for selectively dispensing one of a plurality of packages (74). The vending apparatus includes an outer cabinet 10; an isolated freezer compartment (12) within the outer cabinet for storing the plurality of packages disposed within the outer cabinet, the freezer compartment having a thermal barrier (14) for maintaining a frozen environment within the freezer compartment in isolation of the ambient temperature air filling the remaining interior space of the outer cabinet; a mechanism (68) for opening the thermal barrier; a picker (52) for selectively removing the selected package from the freezer compartment, the picker being located outside the freezer compartment in between operating cycles and entering the freezer compartment for removing one of the packages only during the removal operation; and a controller (40) for automatically controlling the picker and opening mechanism in response to a customer's selection. <IMAGE>

IPC 1-7
G07F 11/16; **G07F 9/10**; **G07F 11/62**

IPC 8 full level
G07F 11/00 (2006.01); **G07F 9/10** (2006.01); **G07F 11/10** (2006.01); **G07F 11/14** (2006.01); **G07F 11/16** (2006.01); **G07F 11/42** (2006.01); **F25D 23/02** (2006.01); **F25D 25/00** (2006.01)

CPC (source: EP KR US)
F25D 23/026 (2013.01 - KR); **F25D 25/00** (2013.01 - KR); **G07F 11/10** (2013.01 - EP KR); **G07F 11/14** (2013.01 - EP KR); **G07F 11/165** (2013.01 - EP KR US); **G07F 11/1657** (2020.05 - EP KR US); **G07F 17/0071** (2013.01 - EP KR); **F25D 23/026** (2013.01 - EP); **F25D 25/00** (2013.01 - EP)

Citation (applicant)
• US 4787533 A 19881129 - HAROUTEL JEAN-CLAUDE [FR], et al
• US 5025950 A 19910625 - TROUTEAUD LEE E [US], et al
• DE 2455673 A1 19760526 - LUCAS GERNOT

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
EP 1093094 A2 20010418; **EP 1093094 A3 20030108**; AT E203347 T1 20010815; DE 69330468 D1 20010823; DE 69330468 T2 20020418; DK 0714539 T3 20010924; EP 1093095 A2 20010418; EP 1093095 A3 20030108; ES 2158864 T3 20010916; JP 3372255 B2 20030127; JP H09502036 A 19970225; KR 100321219 B1 20020624; KR 960704288 A 19960831; PT 714539 E 20011228

DOCDB simple family (application)
EP 00204727 A 19930827; AT 93920389 T 19930827; DE 69330468 T 19930827; DK 93920389 T 19930827; EP 00204728 A 19930827; ES 93920389 T 19930827; JP 50753395 A 19930827; KR 19960700942 A 19960226; PT 93920389 T 19930827