

Title (en)

Improved dispensing device for a product vending machine

Title (de)

Verbesserte Spendevorrichtung für einen Produktverkaufsautomaten

Title (fr)

Dispositif de distribution amélioré pour une machine de vente de produits

Publication

EP 1460595 A1 20040922 (EN)

Application

EP 04075820 A 20040315

Priority

IT MI20030538 A 20030320

Abstract (en)

The invention concerns an improved dispensing device (10) for a product vending machine (12). Said automatic machine (12) is provided with at least one shelf for said products and a collection pocket (101). Said dispensing device (10) comprises, in an area in front of said at least one shelf, a vertically-sliding container (16), where said container (16) may be opened on its lower part. <IMAGE>

IPC 1-7

G07F 11/00

IPC 8 full level

G07F 11/10 (2006.01); **G07F 11/16** (2006.01)

CPC (source: EP US)

G07F 11/10 (2013.01 - EP); **G07F 11/16** (2013.01 - EP US)

Citation (search report)

- [X] WO 0060553 A2 20001012 - COCA COLA CO [US], et al
- [X] EP 1162582 A2 20011212 - SANDEN CORP [JP]
- [A] EP 0866430 A2 19980923 - SANDEN CORP [JP]
- [A] US 4865178 A 19890912 - LEWANDOWSKI FRANK S [US]
- [A] EP 0803969 A1 19971029 - SUN WENLIN [CN]
- [A] PATENT ABSTRACTS OF JAPAN vol. 0142, no. 67 (P - 1058) 8 June 1990 (1990-06-08)

Cited by

EP1956568A1; EP1939825A1; ITUB20155012A1; JP2011507090A; US10354475B2; DE202008018226U1; WO2015155506A1; WO2009074851A1

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