

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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