

Title (en)  
Article storage device for vending machine

Title (de)  
Waren Speichervorrichtung für Verkaufsautomat

Title (fr)  
Appareil de stockage d'articles pour distributeur automatique

Publication  
**EP 1006495 A1 20000607 (EN)**

Application  
**EP 98122714 A 19981130**

Priority  
EP 98122714 A 19981130

Abstract (en)  
There is provided an article storage device for a vending machine (2). The article storage device is characterized by an opening/closing device which has the following characterizing features: Left and right transparent opening/closing plates (18) have respective inner end portions mounted in a central portion of an article rack (10) in parallel with each other in a manner such that each of the opening/closing plates (18) can rotate about a vertical axis between a closed position for closing a dispensing opening of a corresponding one of article passages formed in the article rack (10) and an open position for opening the dispensing opening of the corresponding article passage. Each opening/closing plate (18) has a cut-away portion (22) formed at an inner end side thereof. A spring urges the each opening/closing plate (18) toward the open position. A stopper plate (19) is arranged at a central location of the article rack (10) which is close to a front side of the each opening/closing plate (18) in a manner such that the stopper plate (19) extends vertically and is capable of rotating about a horizontal axis extending in a front-rear direction between a holding position for abutting on the opening/closing plates (18) to thereby hold the each opening/closing plate (18) in the closed position and a release position for selectively releasing one of the opening/closing plates (18). A stopper plate-driving mechanism (21) causes the stopper plate (19) to rotate between the holding position and the release position. <IMAGE>

IPC 1-7  
**G07F 11/42**

IPC 8 full level  
**G07F 11/42** (2006.01)

CPC (source: EP)  
**G07F 11/42** (2013.01)

Citation (search report)

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- [A] GB 2134091 A 19840808 - SANDEN CORP
- [Y] PATENT ABSTRACTS OF JAPAN vol. 17, no. 161 (P - 1512) 29 March 1993 (1993-03-29)
- [A] PATENT ABSTRACTS OF JAPAN vol. 18, no. 649 (P - 1840) 9 December 1994 (1994-12-09)

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