

Title (en)  
COIN DISPENSING APPARATUS

Publication  
**EP 0146294 B1 19881102 (EN)**

Application  
**EP 84308325 A 19841130**

Priority  
• JP 2282584 A 19840213  
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Abstract (en)  
[origin: EP0146294A2] A coin dispensing apparatus is disclosed of the hopper type having a hopper (5) for holding a supply of coins and a rotary disc (6) for delivering the coins from the hopper (5) one at a time and in desired quantities. The coin dispensing apparatus further has bearing means including a plurality of balls (22) interposed between a supporting plate (2) and the outer peripheral portion of the rotary disc (6) and spaced to each other in the peripheral direction for rotatably supporting the rotary disc (6) on the supporting plate (2), a drive shaft (25) extended through the supporting plate (2) and the rotary disc (6) for rotating said rotary disc, a delivery knife (10) secured to the supporting plate (2) with a point thereof being tangential to the upper periphery of a central disc (9), a delivery chute (11) adapted for receiving the coins from the rotary disc (6) by the delivery knife (10), antidoubling means (14) for controlling the coin passing at the upper delivery zone (7) and agitating means on the central disc (9) for agitating coins within the hopper (5). The agitating means includes a plurality of coil springs (15) arranged so as to extend radially of the drive shaft (25) on the central disc (9), an elastomer retainer (30) for retaining the inner end portions (15c) of the coil springs (15) resiliently and connecting means (31) being secured to the drive shaft (25) for connecting the elastomer retainer (30) in compressed state to the rotary disc (9) and for urging resiliently the rotary disc (9) towards the supporting plate (2).

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**G07D 1/00**

IPC 8 full level  
**G07D 9/00** (2006.01)

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**G07D 9/008** (2013.01)

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• US 4437478 A 19840320 - ABE HIROSHI [JP]  
• EP 0044640 A2 19820127 - ASAHI SEIKO CO LTD [JP]

Cited by  
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