

Title (en)  
COIN SORTING MECHANISM

Publication  
**EP 0285240 B1 19911218 (EN)**

Application  
**EP 88301053 A 19880209**

Priority  
US 3427187 A 19870401

Abstract (en)  
[origin: EP0285240A2] A coin sorter is described for use in sorting coins in terms of their diameter and comprising a rotatably mounted coin-carrying disc (13) having a resilient top surface onto which coins may be fed, means (4) for rotating the disc and a guide plate (12) having a central opening and a configured lower surface positioned over and closely adjacent to the disc. The configured surface includes an inner recess (20) within which coins are free to move radially, and the inner recess extends outwardly from the central opening, the guide plate (12) forming a referencing region (30, 31) for receiving the coins from the inner recess and pressing them against the resilient top surface of the coin-carrying disc while engaging the radially outer edges of the coins of all denominations and moving the coins radially inwardly as the coins are advanced circumferentially. Thus the radially outer edges of the coins of all denominations are positioned at a common radial location and therefore the radially inner edges of the coins are positioned at different radial locations determined by the diameters of the respective coins. Sorting means (40 - 45) are also provided and arranged around the outer periphery of the guide plate for sorting coins of different denominations according to the different radial locations of the radially inner edges of the coins of different denominations, the sorting means ejecting coins of a common denomination at a common circumferential location on the periphery of the guide plate (12).

IPC 1-7  
**G07D 3/06**; **G07D 3/12**; **G07D 9/00**

IPC 8 full level  
**G07D 3/00** (2006.01); **G07D 3/12** (2006.01); **G07D 9/00** (2006.01)

CPC (source: EP)  
**G07D 3/128** (2013.01); **G07D 9/008** (2013.01)

Cited by  
US5401211A; US5584758A; EP0360532A3; EP0555240A4; EP0387795A3; US5009627A; EP0910051A3; EP1321905A4; WO0223493A1

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