

Title (en)

METHOD AND APPARATUS FOR SORTING DISC-LIKE ROUND OBJECTS, IN PARTICULAR COINS

Publication

EP 0340501 B1 19920701 (DE)

Application

EP 89106605 A 19890413

Priority

CH 165488 A 19880502

Abstract (en)

[origin: EP0340501A2] An arriving coin (10') of too large a diameter runs with one edge onto a run-on ramp (44). The raising of the coin (10') also causes the raising of the lower strand (12'') of a conveyor band (12') conveying a stream of coins. The raising brings about a lateral deflection of the lower strand (12'') in the direction of the arrow, the coin (10') to be separated out also being displaced laterally, thereby slipping off from the left-hand supporting edge (22) and tipping into a sorting-out orifice (14). The conversion of the raising movement of the lower strand (12'') into a lateral deflection is brought about by a guide roller (28) which is mounted on an arm (26) pivotable about an axis (50) and which is prestressed against the lower strand (12'') by means of a spring (30). Because the coin (10') to be separated out runs onto the ramp (44), a build-up of coins conveyed thereafter is prevented, thereby guaranteeing a high uniform output of the apparatus. The apparatus makes it possible to separate out coins of too small and of too large a diameter. <IMAGE>

IPC 1-7

G07D 3/00; **G07D 3/14**

IPC 8 full level

G07D 3/00 (2006.01); **G07D 3/14** (2006.01)

CPC (source: EP)

G07D 3/00 (2013.01); **G07D 3/14** (2013.01)

Cited by

US5135433A; EP0660274A1; US5518101A

Designated contracting state (EPC)

AT BE DE FR GB IT NL SE

DOCDB simple family (publication)

EP 0340501 A2 19891108; **EP 0340501 A3 19891115**; **EP 0340501 B1 19920701**; AT E77890 T1 19920715; CH 675786 A5 19901031; DE 58901755 D1 19920806; DK 211389 A 19891103; DK 211389 D0 19890501; FI 892064 A0 19890428; FI 892064 A 19891103; FI 96146 B 19960131; FI 96146 C 19960510; NO 173475 B 19930906; NO 173475 C 19931215; NO 891810 D0 19890502; NO 891810 L 19891103

DOCDB simple family (application)

EP 89106605 A 19890413; AT 89106605 T 19890413; CH 165488 A 19880502; DE 58901755 T 19890413; DK 211389 A 19890501; FI 892064 A 19890428; NO 891810 A 19890502