Title (en)

Method of emptying the hopper of a coin counting and sorting machine

Title (de)

Verfahren zum Entladen des Tellerraumes von flachlaufenden Münzzähl- und Münzsortiermaschinen

Title (fr)

Méthode pour vider le conteneur d'une machine de comptage et de triage de pièces de monnaie

Publication

EP 0823693 A3 19990804 (DE)

Application

EP 97250226 A 19970801

Priority

DE 19633503 A 19960808

Abstract (en)

[origin: EP0823693A2] The method involves moving the coin plate (2) downwards without the associated coin shaft (12) by means of a tilting device (4) and the contents of the coin plate are fed out via an inclined path (5). The coin plate can be pivoted about its central axis by up to 180 degrees to the left or right as required. The plate can be tilted automatically after each counting and/or sorting process, e.g. to remove foreign bodies and dirt.

IPC 1-7

G07D 9/00

IPC 8 full level

G07D 1/00 (2006.01); **G07D 9/00** (2006.01)

CPC (source: EP US)

G07D 9/008 (2013.01 - EP US)

Citation (search report)

- [A] US 5232399 A 19930803 - LE HONG SON [FR], et al
- [DA] DE 1574176 A1 19711118 - ZIMMERMANN & CO F
- [A] US 5098340 A 19920324 - ABE HIROSHI [JP]

Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 0823693 A2 19980211; **EP 0823693 A3 19990804**; **EP 0823693 B1 20050323**; AT E291765 T1 20050415; AU 3314097 A 19980212; AU 731466 B2 20010329; DE 19633503 C1 19980402; DE 59712239 D1 20050428; JP H10124727 A 19980515; US 5944600 A 19990831

DOCDB simple family (application)

EP 97250226 A 19970801; AT 97250226 T 19970801; AU 3314097 A 19970805; DE 19633503 A 19960808; DE 59712239 T 19970801; JP 22428997 A 19970806; US 90832097 A 19970807