

Title (en)
APPARATUS FOR SEPARATING AND SORTING OF BANK NOTES

Title (de)
EINRICHTUNG ZUM VEREINZELN UND SORTIEREN VON BANKNOTEN

Title (fr)
DISPOSITIF DE SEPARATION ET DE TRI DE BILLETS DE BANQUE

Publication
EP 0824737 A1 19980225 (DE)

Application
EP 97904292 A 19970217

Priority

- AT 9700028 W 19970217
- AT 9196 U 19960222

Abstract (en)
[origin: WO9731341A1] The invention relates to apparatus for separating and sorting of bank notes with a feeding shaft (1) and conveyor means for separated bank notes (2). Said conveyor means comprises continuous, parallel, circulating conveyor belts (4, 5). One of the two continuous conveyor belts (4, 5) is returned by way of a diverting/ deflection roller (8). The continuing top continuous conveyor belt (4) is diverted upwards from a substantially horizontal direction of motion. A reversibly-driven sorting roller (9) is arranged in the path of conveying the bank notes so as to be adjacent, in the direction of conveyance, the diverting or deflection roller (8) for the returned continuous conveyor belt. Said sorting roller (9) conveys the bank notes further when driven in the direction of conveyance of the top continuous conveyor belt (4), and when driven in the opposite direction diverts and deposits the bank notes in a pit or container (14) below the path of movement of the top continuous belt (4). At least two reversibly-driven sorting rollers (9) are arranged in the direction of conveyance of the top continuous conveyor belt (4).

IPC 1-7
G07D 9/00

IPC 8 full level
G07D 11/00 (2006.01)

CPC (source: EP US)
B65H 29/58 (2013.01 - EP US); **B65H 39/115** (2013.01 - EP US); **G07D 11/50** (2018.12 - EP US); **B65H 2404/166** (2013.01 - EP US); **B65H 2405/32** (2013.01 - EP US); **B65H 2405/3311** (2013.01 - EP US); **Y10S 209/90** (2013.01 - EP US)

Citation (search report)
See references of WO 9731341A1

Designated contracting state (EPC)
AT BE CH DE DK ES FR GR IE IT LI LU NL PT SE

DOCDB simple family (publication)
WO 9731341 A1 19970828; AU 1712297 A 19970910; AU 718022 B2 20000406; CA 2218021 A1 19970828; CZ 288798 B6 20010912; CZ 354997 A3 19980218; EP 0824737 A1 19980225; ES 2120929 T1 19981116; MX 9708132 A 19971231; US 6012589 A 20000111

DOCDB simple family (application)
AT 9700028 W 19970217; AU 1712297 A 19970217; CA 2218021 A 19970217; CZ 354997 A 19970217; EP 97904292 A 19970217; ES 97904292 T 19970217; MX 9708132 A 19970217; US 94504097 A 19971021