

Title (en)
DEVICE FOR SORTING AND PILING VALUABLE PAPERS, PARTICULARLY BANK NOTES

Publication
EP 0319476 A3 19900606 (DE)

Application
EP 88810805 A 19881124

Priority
CH 474387 A 19871204

Abstract (en)
[origin: JPH01162670A] PURPOSE: To enhance reliability at a high speed, and to use a space to the highest degree by diverting securities to a second conveyor when detecting a distinguishing mark, and constituting so as to deliver the securities to a stacking magazine by a stacking wheel. CONSTITUTION: A deflector 3 is arranged just under a first conveyor track 1. When detecting marked banknotes 2a, these banknotes 2a are transferred to a second conveyor consisting of endless belts 7, 8 by controlling inclined motion of this deflector 3. The banknotes 2a abut to an inclined plate 32 after being diverted over an angle of a paper 90 degrees by a stacking wheel arranged in an outlet end portion. This inclined plate 32 slides the banknotes 2a in a vertical position toward a plate 29 of a stacking magazine, so that the plate 29 retreats stepwise to the opposite side end surface of a tray 28 to form a horizontal directional stack of the sorted banknotes 2a.

IPC 1-7
B65H 29/60; **B65H 29/12**; **B65H 29/40**; **B65H 31/06**; **G07D 1/00**

IPC 8 full level
G07D 13/00 (2006.01); **B65H 29/40** (2006.01); **B65H 29/60** (2006.01); **B65H 31/06** (2006.01); **B65H 33/00** (2006.01); **G07D 11/00** (2006.01)

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B65H 29/40 (2013.01 - EP US); **B65H 29/60** (2013.01 - EP US); **B65H 31/06** (2013.01 - EP US); **G07D 11/50** (2018.12 - EP US); **B65H 2301/42146** (2013.01 - EP US); **B65H 2404/2611** (2013.01 - EP US); **B65H 2701/1912** (2013.01 - EP US)

Citation (search report)

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Designated contracting state (EPC)
AT CH DE FR GB IT LI SE

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EP 0319476 A2 19890607; **EP 0319476 A3 19900606**; AU 2455288 A 19890608; AU 605642 B2 19910117; CH 674353 A5 19900531; DD 276175 A5 19900214; JP H01162670 A 19890627; SU 1679978 A3 19910923; US 4915371 A 19900410

DOCDB simple family (application)
EP 88810805 A 19881124; AU 2455288 A 19881031; CH 474387 A 19871204; DD 32255288 A 19881202; JP 28593388 A 19881114; SU 4356807 A 19881117; US 26683388 A 19881103