

Title (en)

METHOD OF MAKING READY PRINTED, NUMBERED AND CUT TO SIZE BANK NOTES, AND AUTOMATIC CUTTING MACHINE FOR CARRYING OUT THE METHOD

Publication

EP 0091713 B1 19851002 (DE)

Application

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Priority

CH 219482 A 19820408

Abstract (en)

[origin: US4558615A] Piles of sheets (S5) consisting of sheets of security papers (10), are cut into layers of strips (18) and then into bundles of security papers (19). The lengths of the feed movements of the feed device (26), are controlled by a reading unit (29) provided on the strip-cutting unit (27). The reading unit reads an edge mark which was printed during printing of the sheets in the printing machine (20) by the printing plate on a side edge of the sheet. The side edge of the sheet is cut off at a later time and orientated parallel to the feed direction of the pile of sheets, when cutting strips. Edge marks read by the reading unit are provided on the printing plate and necessarily follow the expansion of the printing plate increasing in the course of operation, which in particular at the time of die-stamping, is considerable on account of the high contact pressure. An automatic control of the feeds between successive cuts is achieved in this way so that centering of the printed image on the security papers relative to the unprinted edge of the security paper is maintained substantially more accurately than was previously the case, despite increasing expansion of the printing plate.

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