

Title (en)

METHOD AND DEVICE FOR AUTOMATICALLY CONVERTING PILES OF NUMBERED MULTIPLE-COPY SHEETS OF SECURITY PAPERS, PARTICULARLY BANK NOTES, INTO PACKETS OF BUNDLES

Publication

EP 0072056 B1 19850227 (DE)

Application

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Priority

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Abstract (en)

[origin: US4453707A] A pile of printed sheets comprising nxm banknotes per sheet are cut in a strip cutting unit into m strip piles and banded, the previously banded strip piles belonging to the same pile of sheets being gathered and delivered simultaneously as a group in the longitudinal direction of the strip piles to a bundle cutting unit and cut into n bundles per strip pile. The bundles are delivered sequentially to one of a pair of alternately filled and discharged magazine drums comprising each N magazines disposed at spaced angular intervals along their outer periphery and the drums are rotatably driven at a constant speed such that the bundles penetrate sequentially and separately into the successive magazines of the drum concerned in which every ten bundles of the same series are piled up and subsequently removed to form bundle packets. The number N of drum magazines corresponds to the maximum number moxno of banknotes possibly contained in a single sheet to be processed. If the number of printed notes per sheet is less than N, after cutting each group of strip piles no-n blank cycles are introduced before the first bundle cutting of the following group and in addition during the subsequent transport of the bundles, after each sequence of m bundles, mo-m empty positions are introduced, so that in each case corresponding magazines of the drum remain free, whereby without changing the number of magazines printed sheets comprising different numbers of banknotes can be processed.

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