

## Title (en)

METHOD AND DEVICE FOR SEPARATING PRODUCTS IN OVERLAPPING STREAMS, IN PARTICULAR PRINTED PRODUCTS

## Publication

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## Application

**EP 88108586 A 19880528**

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## Abstract (en)

[origin: EP0300170A1] Connected downstream of a feeder (10) is a conveyor (14) in which individually controllable grippers (34) for gripping folded printed products (12), which are fed in an overlapping stream, by their front edge (84) are arranged at intervals on a rotationally driven buffer chain (20). The plates (22) of the buffer chain (20) are connected to one another by means of hinge pins (54). The hinge pins (54) are mounted displaceably in guides (26, 24) in an alternating manner. By reducing the interval (N) between the guides (24, 26), the interval between the grippers (34) is increased. By increasing the interval (N) between the guides (24, 26), the interval between the grippers (34) can be reduced again. The printed products (12) are gripped by the grippers (34) in a transfer region (A). In the downstream acceleration region (B), the interval between the grippers (34) increases, so that the printed products (12) in this region are brought out of overlap. In the separation region (C), a dragging drive (32) acts on the plates (22) of the buffer chain (20). In the downstream retarding region (D), the interval (N) between the grippers (34) is again reduced and the printed products (12) are transferred to a hanging position. In the following transfer region (E), the printed products (12) are passed on to a dispatch conveyor (16). <IMAGE>

## IPC 1-7

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