

Title (en)

Device for advancing sheets or batches of sheets.

Title (de)

Vorrichtung zum Fördern von Bogen oder Bogenpaketen.

Title (fr)

Dispositif de transport de feuilles ou de paquets de feuilles.

Publication

EP 0103104 A2 19840321 (DE)

Application

EP 83106859 A 19830713

Priority

DE 3230846 A 19820819

Abstract (en)

[origin: US4530694A] To re-orient the position of a sheet, or package of sheets (3), for example after having been folded in a folding former, cut, and transversely folded in a folding knife cylinder, a pair of vertically aligned dish-like plates, or disks (4,5) are moved in an endless transport path. The plurality of such pairs of plates or disks may be provided, each pair being moved in a path by a gear belt (16, 29) driven by a gear or sprocket wheel (20, 30). The plates or disks receive a sheet, or package of sheets (3) therebetween, then are moved towards each other to clamp the sheet therebetween, for example under cam control (25) and a spring (24), and, when the sheets are clamped, additional rotation is supplied to one (4) of the plates or disks, the other (5) being freely rotatable, for example by a stepping motor (37) coupled thereto via a gear transmission and a bushing or sleeve concentric with the shaft driving the sprocket wheel. Alternate pairs of plates or disks (4, 5; 4', 5'; 4'', 5'') are connected to individual stepping motors and gearing so that rapid handling of sheets, or sheet packages being delivered can be obtained. The system is particularly suitable for combination with multiple folding cylinders since multiple folds can be made by transporting the sheets at full supply speed.

Abstract (de)

Um zwischen zwei Bogenbearbeitungsstationen Bogen oder Bogenpakete ohne Abbremsung drehen zu können, werden mit Endlosbändern verbundene Tellerpaare verwendet. Die Tellerpaare werden jeweils bei Übernahme eines Bogens gegeneinandergestellt und vor Abgabe des Bogens auseinandergefahren. Entlang des Bogentransportweges erfolgt eine Drehung der Bogen vorzugsweise um 90°. Mit einer derartigen Anordnung ist es möglich, den sogenannten dritten Falz auch bei voller Geschwindigkeit, d.h. ohne Abbremsung der Falzexemplare unter Einsatz eines Falzklappenzyklinders zu erzeugen.

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B65H 29/00

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CPC (source: EP US)

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EP 0103104 A2 19840321; **EP 0103104 A3 19851204**; **EP 0103104 B1 19880511**; DE 3230846 A1 19840223; DE 3230846 C2 19850328; DE 3376558 D1 19880616; JP H0699056 B2 19941207; JP S5953340 A 19840328; US 4530694 A 19850723

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