

Title (en)

Feeding device for single or multiple sheets.

Title (de)

Vorrichtung zum Transport von Einzelformularen bzw. Formularensätzen.

Title (fr)

Dispositif d'alimentation de feuilles ou ensembles de feuilles de papier.

Publication

EP 0079008 A2 19830518 (DE)

Application

EP 82110005 A 19821029

Priority

DE 3144388 A 19811107

Abstract (en)

1. Apparatus for transporting single forms (11) and sets of forms from a feed shaft (18) to a print support (60) and back into the feed shaft (18), having drive means for the single forms (11) up- and downstream of the print support (60), having pressing means which can be pivoted into and out of the working position and by means of which the single forms (11) are pressed against drive means, and having aligning means (50) for the single forms (11) before inputting thereof, the front and rear drive and pressing means, constructed as a clamping apparatus, being arranged relative to the print support (60) such that the single forms (11) are not deflected between the latter, and whereby in addition both the aligning means (50) and the front and rear drive and pressing means can be moved in a controlled manner as a function of time relative to one another in and out of the working position, such that the front pressing means can be pivoted into the working position before the aligning means (50) can be moved out of the working position, and whereby further the front pressing means remain in the working position at least for the time until the single form (11) has arrived between the rear drive and pressing means, characterised in that on the one hand the drive means comprising rear drive rollers (8, 9) and the pressing means comprising pivotal rear pressing rollers (19) and on the other hand the drive means comprising front drive rollers (15) and the pressing means comprising pivotal front pressing rollers (20, 21) can each be controlled independently as a function of time, it being possible first to switch the pivotal rear pressing rollers (19) into the operating position and the pivotal front pressing rollers (20, 21) out of the operating position to input, after the front pressing rollers (20, 11) are in the operating position and the single form (11) is located between the rear drive rollers (8, 9) and the pivotal rear pressing rollers (19), the pivotal rear pressing rollers (19) can be switched on for the return transport of the single form (11) and, when the single form (11) has reached the pivotal front pressing rollers (20, 21), the pivotal front pressing rollers (20, 21) can be switched on, and in that when the single form (11) emerges from the pivotal front pressing rollers (20, 21) the aligning means (50) can be pivoted back into the operating position.

Abstract (de)

Es wird eine Transportvorrichtung für Einzelformulare bzw. Formularensätze (11) beschrieben, die mit größtmöglicher Transportgenauigkeit in zwei Transportrichtungen arbeitet, ohne daß ein Versatz der Blätter oder Formulare relativ zum Druckwerk (61) oder untereinander erfolgt. Die Blätter werden von Antriebs und Andrückmitteln (8, 9, 15; 19, 20, 21) vor und hinter der Druckstelle (60) abwechselnd gehalten und angetrieben, wobei die Blätter (11) in die geöffnete Antriebs und Andrückmittel (8, 9, 15; 19, 20, 21) eintreten, die erst dann zur Anlage miteinander kommen. Ein Steuermotor (38) bewirkt das abwechselnde In- und Außerwirklagegehen der vorderen und hinteren Antriebs und Andrückmittel (8, 9, 15; 19, 20, 21), ein Transportmotor den Transport. Der Wirkpunkt der vorderen und hinteren Antriebs- und Andrückmittel und die Druckstelle auf der Druckgegenlage (60) liegen in einer Ebene, so daß keine Umschlingung durch die Formulare (11) erfolgt und die Voraussetzungen für eine niedrige Bauhöhe der Einrichtung geschaffen sind.

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