

Title (en)  
Cross-folder for continuous forms.

Title (de)  
Kreuzfalter für Endlosformulare.

Title (fr)  
Dispositif pour plier en croix des formulaires continus.

Publication  
**EP 0143741 A1 19850605 (DE)**

Application  
**EP 84810461 A 19840921**

Priority  
CH 526483 A 19830928

Abstract (en)  
[origin: US4533130A] An apparatus for folding a running web has a deflecting roller supporting the running web; a scoring device for providing a weakening score line in the running web parallel to the running direction thereof for dividing the web into side-by-side arranged first and second web portions; and a folding roller supporting the running web and situated spaced from and downstream of the deflecting roller as viewed in the direction of web advance. The folding roller has a longitudinal axis oriented at least approximately at right angles to the longitudinal axis of the deflecting roller, whereby the running web undergoes an approximately 90 DEG twist and the first web portion of the running web folds over the second web portion along the score line as the running web passes from the deflecting roller onto the folding roller. There are further provided a parallelling bar arranged in the immediate vicinity of the folding roller and cooperating therewith for pressing the running web thereagainst; and an adjusting mechanism for arbitrarily varying the relative position between the folding roller and the parallelling bar.

Abstract (de)  
Der Kreuzfalter besteht aus einer Einzug- und Transportvorrichtung (24) für die Formularbahn (F) mit einer Längsrillvorrichtung (25) und einer Randbeschneidvorrichtung (26). Eine im unteren Bereich des Gestells befindliche Falzwalze (30) ist parallel zur Transportvorrichtung angeordnet, damit wird die Formularbahn (F) um 90° gedreht. Ein Parallelisierungsstab (34) ist relativ zur Achse der Falzwalze (30) einstellbar gehalten und erlaubt eine vom verwendeten Papier abhängige unterschiedliche Umschlingung der Falzwalze (30) durch Kreuzbruchteil (K) und Hauptteil (H). Damit wird eine gleichbleibende Parallelität der Formularbahn (F) vor und nach der Falzwalze (30) erreicht.

IPC 1-7  
**B65H 45/08**; **B65H 45/101**

IPC 8 full level  
**B65H 23/26** (2006.01); **B65H 45/08** (2006.01); **B65H 45/101** (2006.01); **B65H 45/22** (2006.01)

CPC (source: EP US)  
**B65H 23/26** (2013.01 - EP US); **B65H 45/22** (2013.01 - EP US)

Citation (search report)  
• US 4395255 A 19830726 - BRANECKY GEORGE N, et al  
• DE 3108081 A1 19820930 - SERVICE DIENSTLEISTUNGSGESELLS [DE]  
• GB 1034882 A 19660706 - LEIPZIGER BUCHBINDEREIMASCHINE

Cited by  
EP0808789A1; CN105584877A

Designated contracting state (EPC)  
AT BE CH DE FR GB IT LI LU NL SE

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**EP 0143741 A1 19850605**; **EP 0143741 B1 19870121**; AT E25063 T1 19870215; DE 3462119 D1 19870226; US 4533130 A 19850806

DOCDB simple family (application)  
**EP 84810461 A 19840921**; AT 84810461 T 19840921; DE 3462119 T 19840921; US 65385684 A 19840924