

Title (en)

FLAT GATHERING SYSTEM COVER BREAKER

Publication

**EP 0377793 A3 19910320 (EN)**

Application

**EP 89118896 A 19891011**

Priority

US 29557589 A 19890111

Abstract (en)

[origin: EP0377793A2] In a flat gathering binding system it is necessary to use a cover breaker to apply pressure to the book and cover to form a sharp square fold on each side. A cover breaker control system includes a motor (108) which is coupled to a cover breaker carriage for varying the relative position of first and second movable cover breaker plates (104,106) which are used to apply the pressure. A controller calculates the difference between book thickness which the plates are set for and a desired thickness, and is operable to vary the relative positioning by a distance corresponding to this difference so that when the plates are driven to break the cover they are spaced a distance apart according to the desired thickness.

IPC 1-7

**B42C 13/00**

IPC 8 full level

**B42C 11/02** (2006.01); **B42C 13/00** (2006.01)

CPC (source: EP)

**B42C 13/003** (2013.01)

Citation (search report)

- [Y] US 4121818 A 19781024 - RILEY WAYNE A, et al
- [Y] US 3451082 A 19690624 - SARRING ERNEST J
- [A] US 3771185 A 19731113 - THORP J, et al

Designated contracting state (EPC)

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DOCDB simple family (publication)

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