

Title (en)

Device and method for band knife cutting

Title (de)

Vorrichtung und Verfahren zum Schneiden mit einem Bandmesser

Title (fr)

Dispositif ainsi que méthode pour couper avec un couteau-ruban

Publication

**EP 0781632 A1 19970702 (EN)**

Application

**EP 96630015 A 19960328**

Priority

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Abstract (en)

A device and method for band knife cutting are disclosed. The cutting device cuts a book by an endless band knife (14) and provides smooth and polished side surfaces of the book, thereby allowing the cut side surfaces of the book to be directly coated with gold or silver paint without performing any polishing step after cutting the book. The above band knife (14) is wrapped about a pair of drive pulleys (16) and rotated by the rotating motion of the drive pulleys (16) thereby cutting the book. A cutting unit (24) is provided on the frame (10) and reciprocates the book relative to the frame (10) above the band knife (14) while clamping the book by a clamp (22). The cutting device also has first to third polishing units (26,28,30) placed on the frame. The grinding units (26,28,30) grind the edge of the band knife (14) in order to maintain an optimal cutting condition of the band knife. <IMAGE>

IPC 1-7

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CPC (source: EP)

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Citation (search report)

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