

Title (en)

Method and apparatus for sorting cut sheet form components into stacks.

Title (de)

Verfahren und Vorrichtung zum Sortieren von abgeschnittenen blattförmigen Materialien in Stapeln.

Title (fr)

Méthode et appareil pour trier des feuilles de papier coupées, en piles.

Publication

**EP 0537978 A1 19930421 (EN)**

Application

**EP 92309305 A 19921013**

Priority

- US 77933591 A 19911018
- US 78879791 A 19911108

Abstract (en)

Business form components (21, 22) are stacked to separate them into different jobs, and after stacking are synchronously conveyed together to a pressure sealer (16), or similar device, for sealing the components together into a business form (20) or are conveyed to subsequent operations such as secondary stacking into larger stacks. Each component moves from an aligner/feeder (12) to a stacker (14), moving up an incline of a continuously running conveyor belt (31) so that each successive component passes underneath any previous components in a stack. When a movable stop (38) against which the components are held rotates out of the way, a top roller (34) near the trailing ends of the components pinches them against a bottom roller (38') so that the components move together away from the stacker in register with each other. A sensor (19) senses each component as it passes to the stacker (14), and when the desired number for a stack have moved past the sensor, a controller (25) controls the operation of the stop (38) and top roller (34) to allow the continuously running conveyor belt (32) to move the stacked components out of the stacker. <IMAGE>

IPC 1-7

**B43M 3/04; B65H 29/14**

IPC 8 full level

**B41L 1/36** (2006.01); **B43M 5/04** (2006.01)

CPC (source: EP)

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Citation (search report)

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