

Title (en)

Device and method for combined gathering and binding of sheet-like products

Title (de)

Vorrichtung und Verfahren für das kombinierte Zusammentragen und Binden von bogenförmigen Produkten

Title (fr)

Dispositif et méthode pour l'assemblage et la reliure combinés de produits en forme de feuilles

Publication

**EP 0908408 A3 20000105 (DE)**

Application

**EP 98116310 A 19980828**

Priority

US 94651697 A 19971007

Abstract (en)

[origin: EP0908408A2] The collating and binding system for folded sheets has an endless transporter moving under dispensers (9) for the folded sheets and with a number of collating stations (12) under the transporter, each with an upper holding position (12.1) in which the folded sheets (17) are collected. When the full set of sheets has been collected the holding station tilts and drops the collated stack into a binding station (12.2), which moves with the collator. The bound stack is dropped off and the process is repeated. The collating position and the binding position are separated by a transfer zone. A curved wall (44) forms the bottom of the collator when the upper position is in a tilted setting. The stack is dropped into the binder by tilting the collator into the vertical position. This provides a simple handling process with a large throughput.

IPC 1-7

**B65H 39/02; B42C 1/12; B65H 39/055**

IPC 8 full level

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CPC (source: EP US)

**B42C 1/12** (2013.01 - EP US); **B65H 31/3009** (2013.01 - EP US); **B65H 39/02** (2013.01 - EP US); **B65H 2301/42261** (2013.01 - EP US);  
**B65H 2301/4321** (2013.01 - EP US); **B65H 2405/20** (2013.01 - EP US)

Citation (search report)

- [A] EP 0384119 A2 19900829 - AM INT [US]
- [A] EP 0503160 A1 19920916 - AM INT [US]
- [A] GB 982882 A 19650210 - MUELLER HANS GRAPHA MASCH
- [A] GB 2119762 A 19831123 - HARRIS CORP
- [A] EP 0247315 A1 19871202 - HARRIS GRAPHICS CORP [US]

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Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**DE 19839312 A1 19990408**; CN 1093496 C 20021030; CN 1213640 A 19990414; DE 59806171 D1 20021212; EP 0908408 A2 19990414;  
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US 5921538 A 19990713

DOCDB simple family (application)

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JP 28404298 A 19981006; US 94651697 A 19971007