

Title (en)  
GATHERING AND STITCHING MACHINE FOR PRINTED PRODUCTS

Title (de)  
SAMMELHEFTER FÜR DRUCKPRODUKTE

Title (fr)  
ASSEMBLEUSE ET BROCHEUSE POUR PRODUITS IMPRIMÉS

Publication  
**EP 3599103 A1 20200129 (DE)**

Application  
**EP 19186828 A 20190717**

Priority  
CH 9202018 A 20180725

Abstract (en)  
[origin: JP2020015316A] To provide a saddle stitching machine that is capable of solving defectives of prior art and processing product thickness that periodically varies.SOLUTION: The saddle stitching machine for printed products includes at least: a gathering machine; a binding machine; a controlling device; an ejector; and an assembly for a delivery machine. The delivery machine includes at least one lower delivery belt, at least one upper delivery belt, and at least one turning roller for the lower delivery belt. The at least one turning roller is provided within the radius. The lower delivery belt (7) has a controllable dedicated drive device (10), and the upper delivery belt (8) has a controllable dedicated drive device (11). The controlling device (4) controls at least the dedicated drive devices (10, 11) separately, and its periodical accurate control can mainly adjust the thicknesses and formats of the respective printed products in the product flow.SELECTED DRAWING: Figure 2

Abstract (de)  
Die Erfindung betrifft einen Sammelhefter für Druckprodukte, welcher zumindest die Baugruppen Sammelkette, Heftmaschine, Steuereinrichtung, Auswerfer und Auslage besitzt, wobei die Auslage zumindest ein unteres Transportband und ein oberes Transportband sowie zumindest eine Umlenkrolle für das untere Transportband aufweist und diese zumindest eine Umlenkrolle in einem Radius angeordnet ist. Das untere Transportband (7) besitzt einen ansteuerbaren Eigenantrieb (10) und das obere Transportband (8) einen ansteuerbaren Eigenantrieb (11), wobei die Steuereinrichtung (4) zumindest die Eigenantriebe (10, 11) gesondert ansteuert, und wobei die taktgenaue Steuerung primär auf die Dicke und das Format des jeweiligen Druckprodukts im Produktfluss abstimmbare ist.

IPC 8 full level  
**B42C 1/12** (2006.01); **B42C 19/08** (2006.01); **B65H 29/12** (2006.01)

CPC (source: CN EP US)  
**B42B 5/00** (2013.01 - CN); **B42C 1/12** (2013.01 - EP US); **B42C 19/08** (2013.01 - CN EP); **B65H 5/023** (2013.01 - EP US); **B65H 5/32** (2013.01 - EP); **B65H 7/02** (2013.01 - EP); **B65H 37/04** (2013.01 - US); **B42B 9/04** (2013.01 - EP); **B65H 2301/142** (2013.01 - US); **B65H 2301/4479** (2013.01 - EP US); **B65H 2404/2611** (2013.01 - EP); **B65H 2404/6591** (2013.01 - US); **B65H 2511/10** (2013.01 - EP); **B65H 2511/13** (2013.01 - EP); **B65H 2511/224** (2013.01 - EP); **B65H 2513/10** (2013.01 - EP); **B65H 2701/1932** (2013.01 - EP)

Citation (applicant)  
EP 1593526 A2 20051109 - HEIDELBERGER DRUCKMASCH AG [DE]

Citation (search report)  
• [A] WO 0134403 A2 20010517 - IBIS INTEGRATED BINDERY SYSTEM [GB], et al  
• [A] WO 2008019101 A2 20080214 - GOSS INT AMERICAS INC [US], et al  
• [A] US 4482141 A 19841113 - MOSER JAMES R [US]

Designated contracting state (EPC)  
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Designated extension state (EPC)  
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DOCDB simple family (publication)  
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**EP 19186828 A 20190717**; CN 201910675801 A 20190725; JP 2019133205 A 20190719; US 201916517687 A 20190722