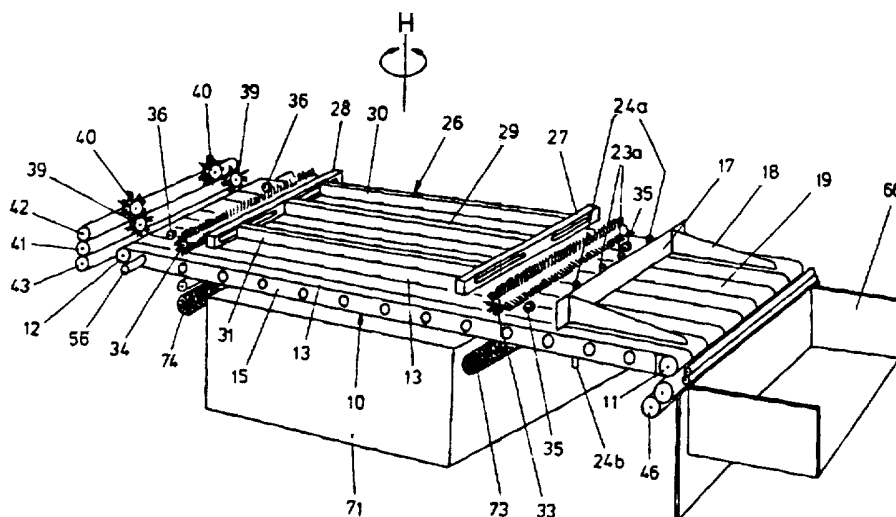


INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁵ : B65H 37/04, 9/00, B32B 31/00, B31F 1/00, B42C 7/00, B31B 1/25, B26D 1/04		A3	(11) International Publication Number: WO 94/29206
			(43) International Publication Date: 22 December 1994 (22.12.94)
(21) International Application Number: PCT/GB94/01248		(81) Designated States: CA, GB, JP, US, European patent (AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE).	
(22) International Filing Date: 9 June 1994 (09.06.94)			
(30) Priority Data: 9311906.3 9 June 1993 (09.06.93) GB		Published With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.	
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(74) Agent: GIBSON, Stewart, Harry; Urquhart-Dykes & Lord, Three Trinity Court, 21-27 Newport Road, Cardiff CF2 1AA (GB).			

(54) Title: AN APPARATUS FOR FORMING SHEET MATERIAL ARTICLES



(57) Abstract

An apparatus for making sheet material articles such as book covers comprises a conveyor belt (10) arranged to transport a sheet of covering material coated with an adhesive into the apparatus, and to halt when the sheet of covering material reaches a position where it is in face-to-face registration with boards to be covered. The boards are mounted to the underside of a frame (26) disposed above the surface of the conveyor, which frame (26) can be lowered to bring the boards into face-to-face contact with the sheet of covering material, thereby adhering the latter to the boards. The conveyor then reciprocates for brushes (33, 34) to fold opposite edges of the covering material onto the upper sides of the boards. Another apparatus for scoring/cutting sheet material articles comprises a conveyor belt arranged to advance the articles towards a tool moving transversally to the direction of movement of the conveyor.

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INTERNATIONAL SEARCH REPORT

Intern. Application No
PCT/GB 94/01248

A. CLASSIFICATION OF SUBJECT MATTER IPC 5 B65H37/04 B65H9/00 B32B31/00 B31F1/00 B42C7/00 B31B1/25 B26D1/04		
According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 5 B32B B29C B31B B42C B65H		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practical, search terms used)		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE,A,17 61 769 (CRATHERN) 25 May 1972 see page 1, line 1 - page 4, line 20 see page 6, line 18 - page 8, line 15 see page 12, line 7 - page 13, line 4 see figures	1,3-7, 14,16
Y	--- US,A,4 336 094 (MILLS) 22 June 1982 see column 3, line 41 - column 4, line 40 see column 9, line 3 - line 35 see figures	2,8,9, 11,12,15
Y	--- EP,A,0 528 566 (MORTON INTERNATIONAL, INC.) 24 February 1993 see column 13, line 6 - line 17 -----	8,9,11, 12,15
Y	EP,A,0 528 566 (MORTON INTERNATIONAL, INC.) 24 February 1993 see column 13, line 6 - line 17 -----	2
☐ Further documents are listed in the continuation of box C. ☒ Patent family members are listed in annex.		
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Date of the actual completion of the international search 26 September 1994	Date of mailing of the international search report 01 -02- 1995	
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+ 31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+ 31-70) 340-3016	Authorized officer LANASPEZE J.P.Y.	

INTERNATIONAL SEARCH REPORT

International application No.

PCT/GB94/01248

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

- 1- Claims 1-16 : Apparatus for covering articles with sheet material
- 2- Claims 17-20 : Apparatus for cutting and/or scoring sheet material

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

1 - 16

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/GB 94/01248

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