



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
24.05.2006 Bulletin 2006/21

(51) Int Cl.:
B65H 39/00 (2006.01)

(43) Date of publication A2:
02.02.2005 Bulletin 2005/05

(21) Application number: **04017625.7**

(22) Date of filing: **26.07.2004**

(84) Designated Contracting States:
**AT BE BG CH CY CZ DE DK EE ES FI FR GB GR
HU IE IT LI LU MC NL PL PT RO SE SI SK TR**
Designated Extension States:
AL HR LT LV MK

(72) Inventors:
• **Botschek, Christian**
63322 Rodermark (DE)
• **Sting, Martin**
61118 Bad Vibel (DE)

(30) Priority: **25.07.2003 DE 10334099**

(74) Representative: **HOFFMANN EITLE**
Patent- und Rechtsanwälte
Arabellastrasse 4
81925 München (DE)

(71) Applicant: **Pitney Bowes Deutschland GmbH**
61169 Friedberg (DE)

(54) **Document compiling apparatus**

(57) In an enclosure-collating path on which enclosure compartments are defined by conveying fingers (5,6), a displacement of enclosures during deceleration phases of the driven conveying fingers and thus incorrect positioning of enclosures at ejecting stations or an insert station is prevented in that the enclosure compartments (13,14) are limited on the side of the leading en-

closure edges by auxiliary fingers (11,12), and through coupling of the drives for the conveying fingers (5,6) and the auxiliary fingers (11,12) the enclosure compartments (13,14) are limited to essentially the maximum dimension of the enclosures in the conveying direction at least during the deceleration phase of the conveying fingers and are reopened thereafter.

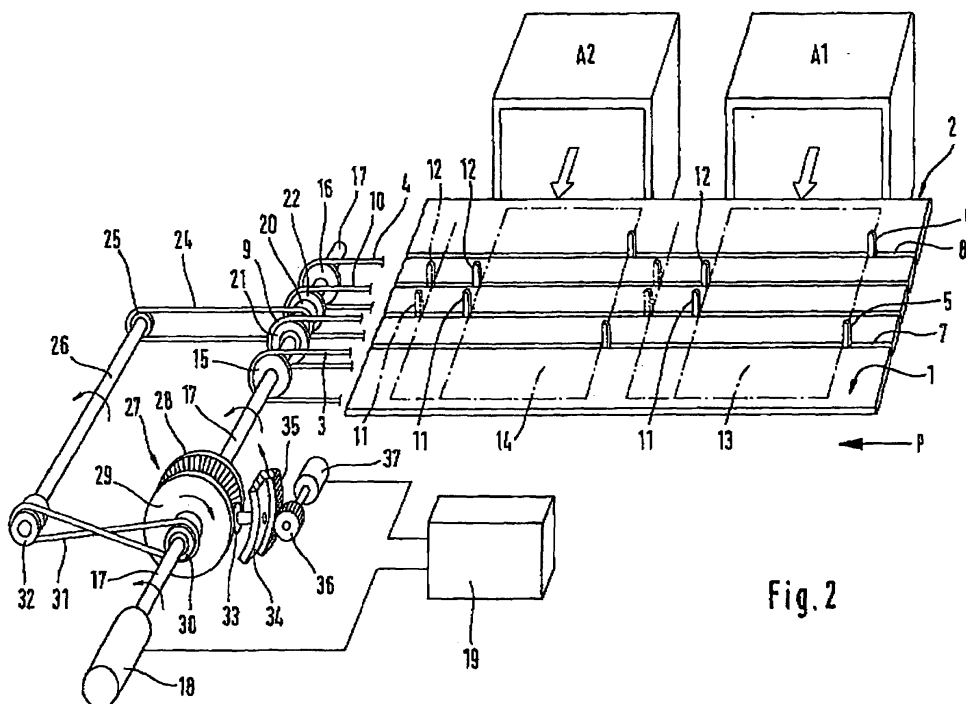


Fig. 2



DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	DE 33 44 114 A1 (KOLBUS GMBH & CO KG; KOLBUS GMBH & CO KG, 32369 RAHDEN) 20 June 1985 (1985-06-20) * the whole document *	1-5	B65H39/00
X	US 2 621 039 A (KLEINEBERG PAUL E ET AL) 9 December 1952 (1952-12-09) * column 18, line 55 - column 22, line 70; figures 1,20-22 *	1-3	
X	US 893 510 A (JUENGST C.A.) 14 July 1908 (1908-07-14) * page 1 - page 2; figures 1,2,4 *	1-3	
A	US 4 641 742 A (IGARASHI ET AL) 10 February 1987 (1987-02-10) * column 3, line 17 - line 51; figure 2 *	1,3	
A	US 5 279 495 A (RELLO ET AL) 18 January 1994 (1994-01-18) * column 3, line 44 - column 4, line 36 *	3	
			TECHNICAL FIELDS SEARCHED (IPC)
			B65H B43M
The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
Munich		31 March 2006	Pollet, D
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

1
EPO FORM 1503 03.82 (F04C01)

ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.

EP 04 01 7625

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

31-03-2006

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
DE 3344114	A1	20-06-1985	CH 665618 A5	31-05-1988
US 2621039	A	09-12-1952	NONE	
US 893510	A		NONE	
US 4641742	A	10-02-1987	AU 566114 B2	08-10-1987
			AU 2667684 A	18-10-1984
			DE 3476053 D1	16-02-1989
			EP 0122606 A2	24-10-1984
			JP 1459156 C	28-09-1988
			JP 59190105 A	27-10-1984
			JP 63002843 B	21-01-1988
US 5279495	A	18-01-1994	AT 162997 T	15-02-1998
			CA 2126857 A1	26-05-1994
			DE 69316876 D1	12-03-1998
			DE 69316876 T2	02-07-1998
			EP 0625123 A1	23-11-1994
			JP 7504148 T	11-05-1995
			WO 9411289 A1	26-05-1994