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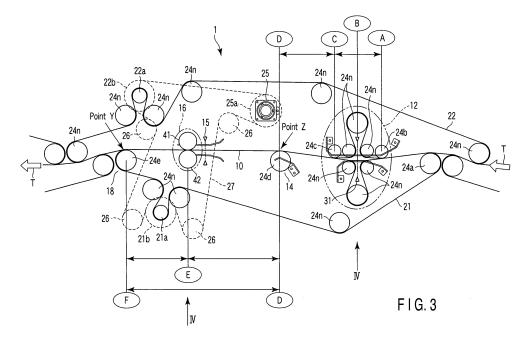
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(54) Sheet processing device

(57) A posture control device (1) has a posture detecting section (12), an upstream conveying section (14), a posture control section (16), and a downstream conveying section (18) along a conveying path (10) for mail items. The distance from a nip of the upstream conveying section (14) and a nip of the posture control section (16) (D-E distance) is designed to be substantially as long as

the longest one of the mail items to be processed by the device which has the greatest length along a conveying direction. The distance from the nip of the posture control section (16) and a nip of the downstream conveying section (18) (E-F distance) is designed to be slightly longer the shortest one of the mail items to be processed by the device which has the shortest length along the conveying direction.





EUROPEAN SEARCH REPORT

Application Number EP 08 00 4658

	DOCUMENTS CONSID	ERED TO BE RELEVANT		
Category	Citation of document with in of relevant pass	ndication, where appropriate, ages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	EP 1 188 699 A2 (TC 20 March 2002 (2002 * column 25 - colum		1-10	INV. B65H5/02 B65H9/00 B65H29/12
A,D	INTERNAT INC [US]) 13 December 2006 (2	JJITSU LTD [JP]; NRC 2006-12-13) nn 65; figures 1-11 *	1-10	BUSILESY IZ
1	DE 198 53 026 C1 (I PACKTECHNIK [DE]) 30 March 2000 (2000 * column 3 - line 4 * column 4 - line 6	0-03-30) 13 *	1-10	
1	WO 99/10265 A1 (RUE HOSKING STEVEN MICH CHRISTO) 4 March 19 * page 8, line 8 - figures 1,2 *	MAEL [GB]; KNAPP MARTIN 1999 (1999–03–04)	1-10	
				TECHNICAL FIELDS SEARCHED (IPC)
				B65H B07C
	The present search report has	been drawn up for all claims		
	Place of search	Date of completion of the search		Examiner
	The Hague	25 January 2011	Her	nningsen, Ole
X : parti Y : parti docu	ATEGORY OF CITED DOCUMENTS icularly relevant if taken alone cularly relevant if combined with anot unent of the same category nological background written disclosure	L : document cited fo	ument, but publi e i the application ir other reasons	shed on, or

DPM 1503 03 89 (P04C)

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

EP 08 00 4658

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.

25-01-2011

cited i			Publication		Patent family		Publication
EP 1	in search report	A2	20-03-2002	DE JP US	60124360 2002087647 2002060417	Α	11-10-2007 27-03-2002 23-05-2002
EP 1	.731456	A1	13-12-2006	CN ES JP JP WO KR US	1930067 2325930 4361821 2005255406 2005087637 20060135882 2007007719	A T3 B2 A A1 A	14-03-2007 24-09-2009 11-11-2009 22-09-2005 22-09-2005 29-12-2006 11-01-2007
DE 1	9853026	C1	30-03-2000	FR IT US	2785885 MI992400 6352148	A1	19-05-2000 17-05-2001 05-03-2002
WO 9	9910265	A1	04-03-1999	AU CN EP JP US	8817298 1237141 0934222 2001504790 6209866	A A1 T	16-03-1999 01-12-1999 11-08-1999 10-04-2001 03-04-2001

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82

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