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(54) Trailing edge deflector for sheet handling apparatus

(57) A sheet handling apparatus (1000) for feeding a sequential plurality of sheets is disclosed having a sheet feed path for guiding sheets in a sheet feeding direction through the apparatus, the apparatus comprising driving means (104,351) for driving sheets along the sheet feed path, and trail edge deflecting means (380) located on the sheet feed path, the trail edge deflecting means being arranged to deflect the trailing edge of a leading sheet to ensure overlap by a following sheet on a predetermined side of the leading sheet.

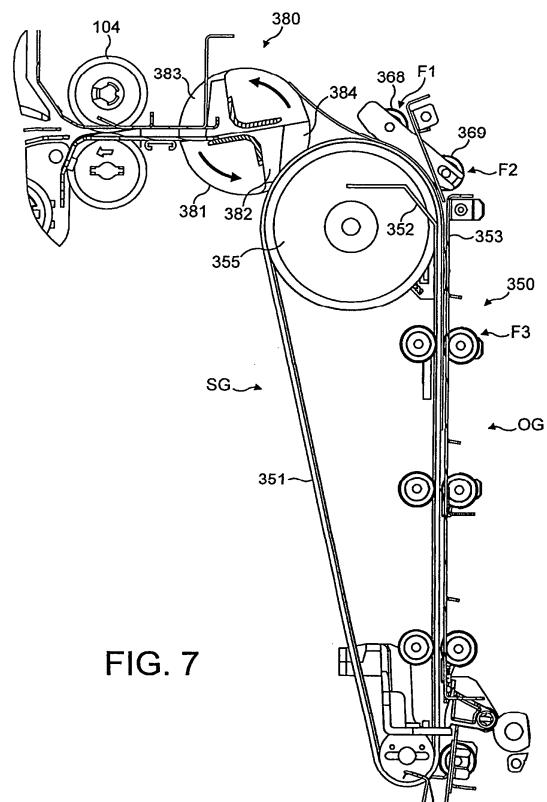


FIG. 7



DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (IPC)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
X	DE 197 49 610 C1 (SIEMENS AG [DE]) 12 November 1998 (1998-11-12) * the whole document * -----	1,3,4, 11-14	INV. B65H29/14
X	EP 0 768 260 A2 (INTELEMAIL AUSTRALIA PTY LTD [AU]) 16 April 1997 (1997-04-16) * column 5, line 14 - line 31; figure 4 * -----	1,3,4, 11-14	
X	US 5 244 200 A (MANZKE G WILLIAM [US]) 14 September 1993 (1993-09-14) * the whole document * -----	1,2,4, 11-13	
X	US 5 655 761 A (SANCHEZ JOSE R [US]) 12 August 1997 (1997-08-12) * the whole document * -----	1,3,4, 11-14	
			TECHNICAL FIELDS SEARCHED (IPC)
			B65H
2	The present search report has been drawn up for all claims		
	Place of search	Date of completion of the search	Examiner
	Munich	26 September 2007	Beckman, Anja
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			

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

EP 05 01 9703

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.

26-09-2007

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
DE 19749610	C1	12-11-1998	EP US	0915051 A1 6179284 B1	12-05-1999 30-01-2001
EP 0768260	A2	16-04-1997	AT DE DE DK ES PT US	214679 T 69619924 D1 69619924 T2 768260 T3 2174031 T3 768260 T 5851008 A	15-04-2002 25-04-2002 07-11-2002 15-07-2002 01-11-2002 30-09-2002 22-12-1998
US 5244200	A	14-09-1993	CA DE DE EP JP WO	2142591 A1 69317051 D1 69317051 T2 0655983 A1 8500807 T 9404451 A1	01-03-1994 26-03-1998 27-08-1998 07-06-1995 30-01-1996 03-03-1994
US 5655761	A	12-08-1997		NONE	