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(54) Mechanism for changing a web feed from intermittent to constant motion

(57) A mechanism is provided for receiving a web with intermittent motion and converting it to constant motion, particularly for severed carton items. A reciprocating carriage (15) has first and second adjacent idler rollers (16,17) and a third roller (13) spaced away from the first two. A driven roller (19) has a fixed axis and is located with respect to the third idler roller (13) such that the web when stung between the first and second rollers (16,17) and thence around the third roller (13) and thence around the driven roller (19), assumes a quasi-boustrophedonic configuration such that a portion of the web can be accumulated between the third idler roller (13) and the driven roller (19) when the carriage (15) moves in the direction which increases the distance between them. Upper and lower endless belts (28,29) pass partially around the first and second translating rollers respectively and once juxtapositioned, between the two idler rollers (16,17), thence around the third translating idler roller (13), thence around the driven roller (19), thence along different respective return paths. The driven roller (19) is rotated at substantially constant speed, and the carriage (15) is moved in a first direction corresponding to that portion of the cycle when the web movement has been arrested, and for moving the carriage (15) in the second direction opposite the first direction when web movement resumes.

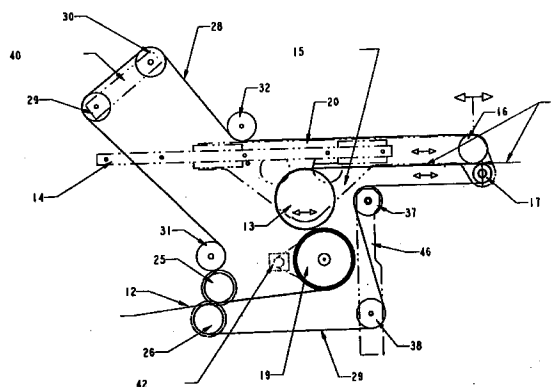


FIGURE 1

EP 0 839 744 A3



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EUROPEAN SEARCH REPORT

Application Number
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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
A	EP 0 652 175 A (PROCTER & GAMBLE) * abstract; figures * ---	1-7	B65H20/08 B65H20/30
A	GB 1 058 883 A (GLOUCESTER ENGINEERING CO. INC.) * the whole document * ---	1-7	
A	US 3 084 841 A (DAI NIPPON PRINTING CO. LTD.) * the whole document * ---	1-7	
A	DE 836 744 C (WINKLER, R. UND DÜNNEBIER, K.) -----		
			TECHNICAL FIELDS SEARCHED (Int.Cl.6)
			B65H
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 12 May 1998	Examiner Haaken, W
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			

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