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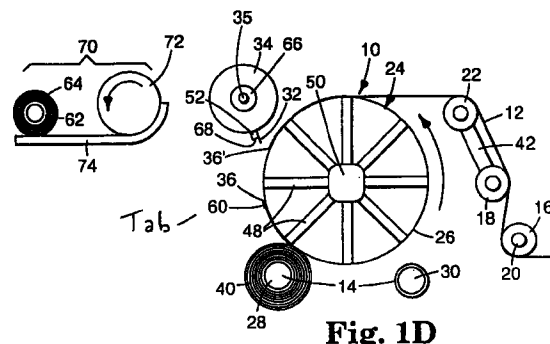
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(54) **Web winding apparatus**

(57) A web winding system (10) for winding adhesive backed web (12) on cores (14) mounted on wind-up spindles (28,30). The web (12) is supported on a rotating suction drum (24). A knife (32) mounted on a rotating wheel (34) cuts the web (12) against the supporting drum (24). A tab bar (68) is mounted on the wheel (34) adjacent to the knife (32), and applies a tab (60) to the web (12) in registration with the cut. In a second position of the wheel (34) a tab source (70) moves toward the tab bar (68) and applies a tab (60) to its surface (68). The knife (32) is heated by a heater (35) to a temperature above adhesive softening and below adhesive carbonizing to prevent adhesive to stick to or to accumulate on the knife (32). The web (12) is lead to the supporting drum (24) around a stationary gapping roller (18) and a retractable gapping roller (22), mounted on an arm (42) which is pivotable around the roller (18). When the knife (22) has cut the web (12) the arm (42) pivots clockwise, and lengthens the distance between retractable roller (22) and supporting drum (24), thus forcing the web to slide on the drum (24), and to form a gap between the leading cut end (36') and the trailing cut end (36) of the web (12). The gap allows for flying transfer of the web (12) between the cores (14) on the two wind-up spindles (28,30).



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EUROPEAN SEARCH REPORT

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EP 96 10 8947

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)
Y	GB-A-1 207 080 (SCOTT PAPER COMPANY) 30 September 1970 * claims 1,2; figures 2-5 * * page 5, line 80 - line 114 *	15	B65H19/29 B65H19/22 B65H19/26
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Y	DE-A-29 23 559 (DIENES WERKE FÜR MASCHINENTEILE GMBH & CO KG) 22 January 1981 * figures 1,2 * * page 2, line 6 - page 3, line 8 *	15	
A	---	10,11	
A	RESEARCH DISCLOSURE, vol. 249, January 1985, EMSWORTH GB, pages 77-79, XP002016127 NN.: "Creasing Mechanism" * the whole document *	2,15,16	
A	US-A-4 807 825 (B.F. ELSNER ET AL.) 28 February 1989 * figures 9-12 * * column 5, line 30 - line 43 *	1	TECHNICAL FIELDS SEARCHED (Int.Cl.6)
A	DE-A-32 17 628 (FINANZIARIA LUCCHESI S.P.A.) 10 March 1983 * figures 1-6 *	1,15	B65H B26D
A	FR-A-2 387 102 (DIENES WERKE FÜR MASCHINENTEILE G.M.B.H. & CO. KG.) 10 November 1978 * claim 1; figure 1 * * page 1, line 24 - line 33 * * page 4, line 9 - line 18 *	10,11,15	
The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
THE HAGUE		17 October 1996	Häusler, F.U.
CATEGORY OF CITED DOCUMENTS			
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