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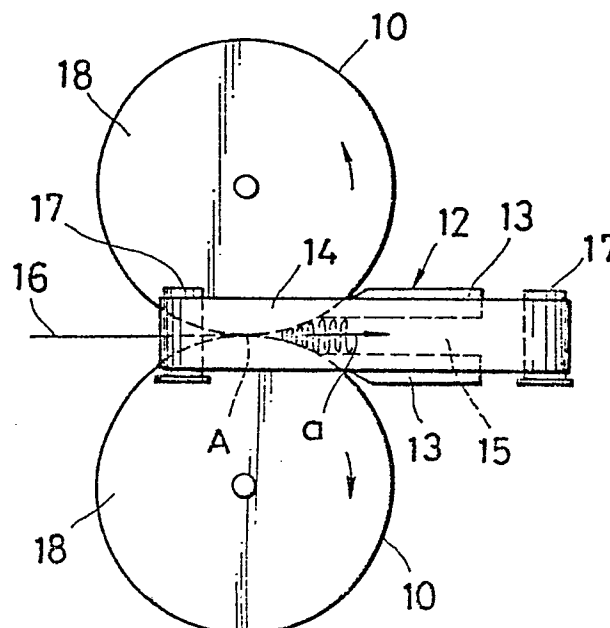
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54 **Apparatus for crimping tows of filaments at high speed.**

57 An apparatus for crimping a tow of filaments (16) comprises a pair of cylindrical feed rolls (10, 10) disposed to form a nip (A) therebetween and a stuffer box (12) disposed adjacent to the nip (A), the stuffer box (12) including an inner wall portion (14) confronting to a pair of coplanar end surfaces (18, 18) of the feed rolls (10, 10) across said nip (A) with a slight clearance therebetween for frictional engagement with the filaments (16) as the latter is moved in a region located immediately downstream of the nip (A) and defined jointly by the inner wall portion (14) and respective peripheral surfaces of the feed rolls (10, 10). The inner wall portion (14) is movable in a direction substantially the same direction as the advance of the filaments (16) in the region while renewing with respect to the frictional engagement with the filaments (16). The tow crimping apparatus thus constructed is durable and performs crimping operation at a high-speed without producing hard lump due to fusion in the tow as the latter is crimped.





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EUROPEAN SEARCH REPORT

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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. 4)
Y	GB-A-1 571 521 (VEPA) * Claim 1 *	1-6	D 02 G 1/16
A		7	
D, Y	DE-A-1 959 863 (TEIJIN) * Claim *	1, 5, 6	
Y	US-A-3 058 167 (BANCROFT) * Claims 1, 3, 4; figures 6, 7; column 4, lines 22-63 *	1, 2, 4	
Y	US-A-3 353 223 (KODAK) * Claim 1; column 2, lines 44-49 *	4	
Y	GB-A- 796 939 (AMERICAN CYANAMID) * Claim 1; page 4, lines 7-20 *	3	TECHNICAL FIELDS SEARCHED (Int. Cl. 4) D 02 G
Y	US-A-2 862 279 (ALLIED CHEMICAL) * Claim 4 *	3	
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 22-11-1985	Examiner CATTOIRE V.A.
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			

