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**D 02 J 1/22**

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⑦① Applicant: **ALLIED CORPORATION**  
**Columbia Road and Park Avenue P.O. Box 2245R (Law**  
**Dept.)**  
**Morristown New Jersey 07960(US)**

⑦② Inventor: **Berley, Jerry Wayne**  
**216 Century Drive**  
**Columbia South Carolina 29210(US)**

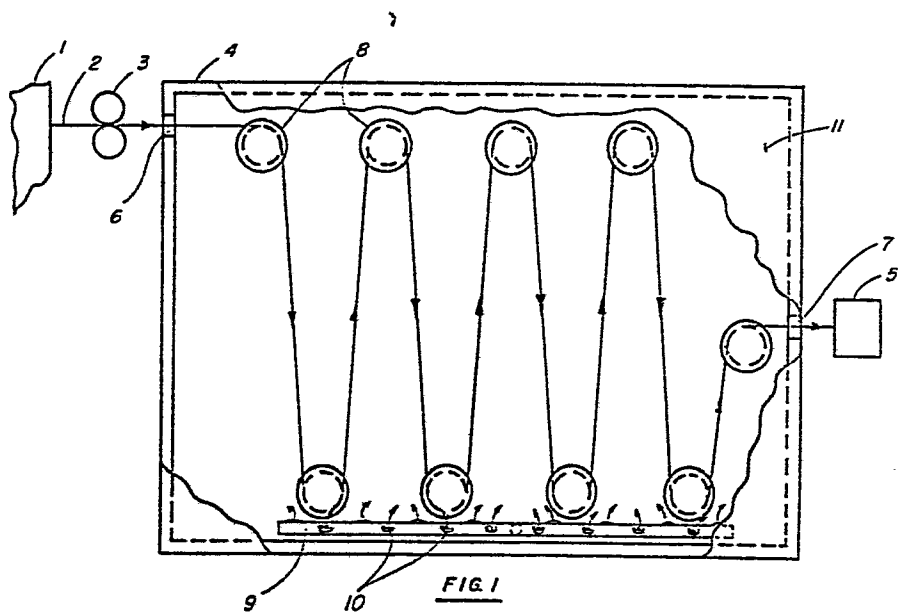
⑦② Inventor: **Shealy, James Bryson**  
**9 Ballentine Estates Route 2, Box 286**  
**Irmo South Carolina 29063(US)**

⑦② Inventor: **Gobbel, Charles Knowlton, Sr.**  
**10 Westpine Court**  
**Columbia South Carolina 29210(US)**

⑦④ Representative: **Baillie, Iain Cameron et al,**  
**c/o Langner Parry Isartorplatz 5**  
**D-8000 München 2(DE)**

⑤④ **Crimp angle modification process and apparatus.**

⑤⑦ Process and apparatus for modifying the crimp angle memory of a crimped yarn are provided. The process comprises extending the crimp angle of the yarn by applying tension to the yarn, and heating the yarn while under that tension to at least the glass transition temperature, but below the melting point, of the yarn material. The apparatus comprises a pair of nip rolls (3) from which the yarn passes through a heated chamber (4) to a cutter (5).





European Patent  
Office

## EUROPEAN SEARCH REPORT

0088245

Application number

EP 83 10 1124

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. 3)
Y,A	US-A-3 453 817 (DUPLAN)  * Claim 1; column 3, lines 61-72; examples V,VII *	1,2,5,7	D 02 G 1/20 D 02 J 1/22
Y,A	US-A-3 221 385 (TECHNISERVICE)  * Claims 1,2; column 1, lines 19-54; column 4, line 20 - column 5, line 15; column 6, lines 1-10 *	1-4,7-9	
A	US-A-3 549 741 (ALLIED CHEMICAL) * Claims 1,2; column 3, lines 31-52; column 4, lines 65-68; column 5, lines 1-25 *	1	
D,A	US-A-3 422 492 (HEPLON) * Claim 1 *	7-10	TECHNICAL FIELDS SEARCHED (Int. Cl. 3)  D 02 G D 02 J D 06 B D 06 C
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 17-04-1985	Examiner CATTOIRE V.A.
<b>CATEGORY OF CITED DOCUMENTS</b> 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			