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EUROPEAN PATENT APPLICATION

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report: **24.08.83 Bulletin 83/34**

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⑤④ **Latent contractable elastomers, composite yarns therefrom and methods of formation and use.**

⑤⑦ This invention relates to melt extruded latent contractable elastic filaments which are formed by melt extruding certain segmented crosslinked thermoplastic polymers to form filaments, which filaments, when heat processed at elevated temperatures, significantly contract to yield an elastic filament. This invention also relates to the formation of composite covered yarns comprising the latent contractable melt extruded filaments. In addition, this invention relates to processes for forming articles from the latent contractable filaments or covered yarns comprising the contractable filaments and subsequently contracting the yarns to form an elastic article.

EP 0 046 346 A3



European Patent
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EUROPEAN SEARCH REPORT

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Application number

EP 81 30 3473

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)
X	GB-A-1 282 745 (TOYO BOSEKI) * Claims *	1-2	D 01 F 6/78 D 01 F 6/84 D 02 G 3/32 D 02 G 1/18
X	US-A-3 880 976 (TOYO BOSEKI) * Claims *	1-2	
P,X	US-A-4 262 114 (K.B. WAGENER et al.) * Claims *	1-5	
D,Y	US-A-3 940 917 (D.R. STRACHAN) * Claims *	6,8	
Y	GB-A-1 091 422 (COURTAULDS) * Claims *	6-10, 12	
Y	FR-A-1 221 751 (NOIRET ET GUERILLOT) * Summary *	12	
A	FR-A-2 210 642 (DU PONT DE NEMOURS)		
A	US-A-3 937 755 (THE GOODYEAR TIRE & RUBBER CY.)		
A	US-A-2 200 389 (DU PONT DE NEMOURS)		
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 01-06-1983	Examiner VAN GOETHEM G.A.J.M.
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	