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71 Applicant: **AMERICAN CYANAMID COMPANY**
1937 West Main Street P.O. Box 60
Stamford Connecticut 06904-0060(US)

72 Inventor: **McHenry, Edward Mallary**
2800 Dogwood Drive Building 2, Apt. A
Milton Florida 32570(US)

72 Inventor: **DeMaria, Francesco**
952 Aquamarine Drive
Gulf Breeze Florida 32561(US)

74 Representative: **Wächtershäuser, Günter, Dr.**
Tal 29
D-8000 München 2(DE)

54 **Rapid stabilization process for carbon fiber precursors.**

57 Carbon fiber precursors are stabilized regarding their mechanical properties by conducting the stabilization procedure in at least two steps, the first at a temperature at which the maximum plasticity of the polymer is attained while stretching the fiber 10-50% and the second at 200-300°C, but higher than the first.



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)
X	US-A-4 100 004 (M.MOSS et al.) * Claims * ---	1-10	D 01 F 9/22
X	GB-A-2 014 971 (SECURICUM) * Claims; page 3, lines 5-10 * ---	1-10	
A	EP-A-0 066 389 (MONSANTO) ---		
A	GB-A-2 084 975 (FIBER MATERIALS) -----		
			TECHNICAL FIELDS SEARCHED (Int. Cl.4)
			D 01 F
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 30-01-1989	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			