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(54) **Novel method of manufacturing carbon fiber using preliminary stretch.**

(57) Process of carbon fiber manufacture wherein the polyacrylonitrile precursor is stretched prior to oxidation in limited temperature range. Process permits greater throughput in precursor manufacture and reduces flaws in the precursor because significant stretching is at lower line speeds typically used for oxidation and carbonization in making carbon fiber.

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EUROPEAN SEARCH REPORT

Application Number

EP 89 10 2638

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.5)
A	FR-A-2 175 882 (BAYER) * Whole document *	1	D 01 F 9/22
A	DE-A-2 053 471 (NIPPON CARBON) * Whole document *	1	

TECHNICAL FIELDS SEARCHED (Int. Cl.5)

D 01 F

The present search report has been drawn up for all claims

Place of search	Date of completion of search	Examiner
The Hague	17 December 90	HELLEMANS W.J.R.

CATEGORY OF CITED DOCUMENTS

X: particularly relevant if taken alone
Y: particularly relevant if combined with another document of the same catagory
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
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