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(71) Applicant: **COURTAULDS PLC**
18, Hanover Square
London W1A 2BB(GB)

(72) Inventor: **Chapman, Roger Alan**
19 Roman Way, Finham
Coventry, West Midlands(GB)
Inventor: **Bray, Roger**
6 Hollinwell Close, Whitestone
Nuneaton, Warwickshire(GB)

(74) Representative: **Hale, Stephen Geoffrey et al**
J.Y. & G.W. Johnson Furnival House 14/18
High Holborn
London WC1V 6DE(GB)

(54) **Filaments and hot gas filter.**

(57) Melt-spun filaments are provided of a polymer capable of retaining its strength at a temperature of 170° C. The filaments contain 5 to 25% by volume of an electrically conductive filler such as carbon. They can be used to form a filter for hot gases, for example as a fabric formed from a mixture of such filaments and filaments from such a polymer which do not contain conductive filler.

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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.5)
X	WPIL, FILE SUPPLIER, DERWENT PUB. LTD., LONDON, GB; AN=88-151608 & JP-A-63 092724 (KURARAY) 03-09-1986 * The whole abstract *	1-3, 6-8	D01F1/09 D01F8/04 B01D39/08
Y	---	4, 5, 9	
Y	FR-A-2156767 (ICI) * claims *	4, 5, 9	
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A	EP-A-285377 (KUREHA KAGAKU KOGYO KK) * page 9, lines 10 - 18 * * lines 26 - 29; claims *	1-9	
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A	FR-A-2354187 (TOYO BOSEKI KK) * page 10, lines 19 - 28 * * page 13, lines 16 - 37 *	1-9	
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A	CHEMIEFASERN. vol. 35, no. 6, June 1985, FRANKFURT AM MAIN DE pages 409 - 410; Dr. K WEINROTTER ET AL: "P 84- EINE NEUE SYNTHESSEFASER" * the whole document *	1-9	
			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			D01F
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 22 AUGUST 1990	Examiner BLAS V.
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			