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⑤④ **Fire retardant composite fibres and process for producing them.**

⑤⑦ A process for producing polyolefin composite fibres of fine deniers having superior fire retardant and heat adhesive properties with good spinnability, and such polyolefin composite fibres are provided wherein a fire retardant or retardants having a decomposition temperature higher by 100°C or more, than the respective melting points of the higher and lower melting components of the composite fibres, and also having a particle size of 62 microns or less, are contained in the respective components in 3 to 15% by weight and the total amount of the fire retardant(s) in the whole of the fibres is 5 to 10% by weight.



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Office

EUROPEAN SEARCH REPORT

0089113
Application number

EP 83 30 0640

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	US-A-3 658 634 (M.YANAGI et al.) * Claims; column 3, lines 10-14; column 6, lines 20-24 * ---	1-4	D 01 F 8/06 D 01 F 1/10
Y	PATENTS ABSTRACTS OF JAPAN, Vol.5, No.120 (C-65) (792), August 4, 1981. & JP-A-56 58 009 (CHISSO K.K.) (20-5-1981) * Whole abstract *	1-4	
Y	PATENTS ABSTRACTS OF JAPAN, Vol.5, No.8, (C-39) (680), January 20, 1981. & JP-A-55 137 220 (CHISSO K.K.) (25-10-1980) * Whole abstract *	1-4	
			TECHNICAL FIELDS SEARCHED (Int. Cl. ³)
			D 01 F D 01 D
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 27-02-1985	Examiner VAN GOETHEM G.
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	