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10.08.94 Bulletin 94/32(71) Applicant: **N.V. Philips' Gloeilampenfabrieken
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(54) **Thermoplastic-composition resistor and method of manufacture.**

(57) A thermoplastic-carbon resistive rod is made by extruding a heated mixture of carbon black, acetylene black, silica and a polymer resin. The resistive rod is cooled and cut into sections forming resistive bodies. Resistors are formed by fusing terminals to ends of the rods, welding leads to the terminals, and encapsulating the bodies and terminals in an epoxy material.

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EUROPEAN SEARCH REPORT

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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	PATENT ABSTRACTS OF JAPAN vol. 4, no. 11 (E-168)26 January 1980 & JP-A-54 152 197 (FURUKAYAMA KIYOSHI) 30 November 1979 * abstract *	1	H01C7/00 H01C1/144 H01C17/06
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A	PATENT ABSTRACTS OF JAPAN vol. 15, no. 383 (E-1116)27 September 1991 & JP-A-03 152 943 (SUENAGA JUNICHI) 28 June 1991 * abstract *	2	
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A	DE-A-14 65 413 (DEUTSCHE GOLD- UND SILBER-SCHNEIDANSTALT) 27 March 1969 * page 3, paragraph 2 - page 7, paragraph 1; claims 1,2,5 *	4,6,8	
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	US-A-3 237 286 (INTERNATIONAL RESISTANCE COMPANY) 1 March 1966 * The whole document *		

The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 8 June 1994	Examiner Fransen, L
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			