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- Composition for imaging member layers and method for its production.
- ⑤ An electrically conductive, semi-transparent, imaging member layer includes a polymer having carbon black particles contained therein. The polymer is obtained by dispersing carbon black particles in polymer reactants prior to and/or during polymerization of the polymer. The carbon black particles become intimately connected with other carbon black

particles through polymeric chains formed when the polymer forming reactants are reacted through free radical polymerization in the presence of carbon particles. The layer can have comparable conductivity with that of dispersed carbon particles in a polymer matrix, with between 10 and 50 times less carbon black particle loading.

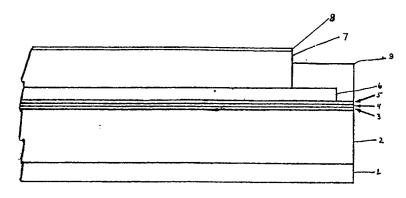


Fig. 1

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EUROPEAN SEARCH REPORT

EP 90 31 4186

DOCUMENTS CONSIDERED TO BE RELEVANT						
ategory		th Indication, where appropriate, vant passages		levant claim	CLASSIFICATION OF THE APPLICATION (Int. CI.5)	
A	PATENT ABSTRACTS OF (P-797)(3315) 08 December & JP-A-63 188153 (DIAFOII * the whole document *	r 1988,	1-9		G 03 G 5/10	
					TECHNICAL FIELDS SEARCHED (Int. CI.5) G 03 G	
The present search report has been drawn up for all claims						
	Place of search The Hague	Date of completion of search 22 August 91		Examiner BATTISTIG M.L.A.		
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		JMENTS h another	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			