

Title (en)

Composition for imaging member layers and method for its production.

Title (de)

Zusammensetzung für Schichten-Bildherstellungselemente und Verfahren zu deren Herstellung.

Title (fr)

Composition pour des couches d'éléments de formation d'images et procédé pour sa préparation.

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Application

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Priority

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Abstract (en)

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.

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