

Title (en)

Electrically photosensitive particles for photoelectrophoretic migration imaging processes.

Title (de)

Elektrophotosensible Teilchen für photoelektrophoretische Bilderzeugung.

Title (fr)

Particules électrophotosensibles pour des procédés de formation d'images par migration photoélectrophorétique.

Publication

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Application

EP 78200084 A 19780707

Priority

- US 81869777 A 19770725
- US 89918678 A 19780424

Abstract (en)

Electrically photosensitive particles for electrophoretic migration imaging processes. Electrophotosensitive particles (4) for electrophoretic migration imaging processes comprise a compound having the structure <CHEM> wherein m and n are zero, one or two; L<1> to L<7> are hydrogen, alkyl, cyano aralkyl, aryl or heterocyclyl, and in addition, any two of L<1>, L<2> and L<3> and any two of L<4>, L<5>, L<6> and L<7> may together represent the atoms needed to complete a carbocyclic ring having from 5-10 carbon atoms; A<1> represents an alkyl, aryl group or a heterocyclic nucleus; A<2> represents a basic heterocyclic nucleus; B<1> and B<2> represent cyano, carboxy, alkoxycarbonyl, aryloxycarbonyl, alkylsulfonyl, acyl, arylcarbonyl, heteroyl, nitro, nitro substituted aryl, sulfonyl, fluorosulfonyl, trifluoromethylsulfonyl, carbamoyl, arylcarbamoyl or alkylcarbamoyl. The particles (4) can be used in an electrophoretic migration imaging process which consists in placing them between two electrodes (1) and (5) and submitting them to an activating radiation and an electric field for obtaining an image on electrodes (1) and (5).

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CPC (source: EP)

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Citation (search report)

- [X] FR 2185814 A1 19740104 - CIBA GEIGY AG [CH]
- DE 2532306 A1 19760129 - FUJI PHOTO FILM CO LTD
- [AD] US 3976485 A 19760824 - GRONER CARL F
- [A] RESEARCH DISCLOSURE, no. 154, February 1977, art. 15437, Hampshire, U.K.: M.S. BLOOM et al: "Solubilized dark exchange materials for photoimmobilized electrophoretic recording", pages 32-36
- [A] RESEARCH DISCLOSURE, no. 150, October 1976, art. 15029, Hampshire, U.K.: H.E. WRIGHT et al.: "Electrophoretic migration imaging process", pages 51-56
- [P] RESEARCH DISCLOSURE, no. 162, October 1977, art. 16257, Hampshire, U.K.: L.G. WEBSTER et al.: "Electrophotosensitive material for migration imaging processes", pages 75-77

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US10266697B2; US6416823B2; US6589610B2

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