

Title (en)

Electrically photosensitive particles for electrophoretic migration imaging processes.

Title (de)

Elektrophotosensible Teilchen für elektrophoretische Bilderzeugung.

Title (fr)

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

Publication

EP 0000596 A1 19790207 (EN)

Application

EP 78200078 A 19780703

Priority

US 81869877 A 19770725

Abstract (en)

Electrically photosensitive particles for electrophoretic migration imaging processes. Electrically photosensitive particles (4) for use in electrophoretic migration imaging processes comprise a compound having the structure: <CHEM> wherein m and n are zero, one or two; R<1> and R<2> each represents hydrogen, alkyl or aryl; Y represents O or S; L<1> through L<5> represent hydrogen, alkyl or aryl, or in addition, either L<1> and L<2> or any two of L<3>, L<4> and L<5> together represent the atoms needed to complete a carbocyclic ring; A<1> represents a basic heterocyclic nucleus and A<2> represents the A<1> nuclei, an aryl group or a heterocyclic nucleus. 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).

IPC 1-7

G03G 17/04; **C07D 239/46**; **C09B 23/00**

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [AD] US 3976485 A 19760824 - GRONER CARL F
- [A] RESEARCH DISCLOSURE, no. 150, October 1976, art. 15028, Hampshire, U.K.: H.E. WRIGHT et al.: "Photosensitive colorant materials", pages 39-44
- [A] RESEARCH DISCLOSURE, no. 150, October 1976, art. 15029, Hampshire, U.K.: H.E. WRIGHT et al.: "Electrophoretic migration imaging process", pages 51-52
- [P] RESEARCH DISCLOSURE, no. 163, November 1977, art. 16323. Hampshire, U.K.: F.G. WEBSTER et al.: "Electrophotosensitive materials for migration imaging processes", pages 19-21

Cited by

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