

Title (en)

ELECTROPHORETIC DISPLAYS CONTAINING MODIFIED PARTICLES

Title (de)

ELEKTROPHORETISCHE ANZEIGE, WELCHE MODIFIZIERTE TEILCHEN ENTHÄLT

Title (fr)

AFFICHAGES ELECTROPHORETIQUES CONTENANT DES PARTICULES MODIFIEES

Publication

EP 1356346 A2 20031029 (EN)

Application

EP 01968713 A 20010907

Priority

- US 0128189 W 20010907
- US 65803000 A 20000908

Abstract (en)

[origin: WO0221201A2] An electrophoretic display containing modified particles is described. As well as non-emissive display systems. In the electrophoretic display, an arrangement of microscopic containers is used, wherein each container contains a dielectric fluid and a suspension of particles having attached at least one organic group, wherein the organic group includes at least one ionic group, ionizable group, or both, and wherein fluid and the particles contrast visually. The electrophoretic display also includes first and second electrodes wherein the arrangement is located between these electrodes and wherein one of the electrodes is substantially visually transparent. The electrophoretic display further includes means for creating a potential difference between the two electrodes so that the potential difference causes the particles to migrate toward one of the electrodes.

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G02F 1/167

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 0221201A2

Citation (examination)

US 5914806 A 19990622 - GORDON II JOSEPH GROVER [US], et al

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DOCDB simple family (publication)

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