

Title (en)

METHOD FOR WRITING DATA TO AN ELECTROPHORETIC DISPLAY PANEL.

Title (de)

SYSTEM ZUM SCHREIBEN VON DATEN AUF EINER ELEKTROPHORETISCHEN ANZEIGETAFEL.

Title (fr)

PROCEDE POUR ECRIRE DES DONNEES SUR UN PANNEAU D'AFFICHAGE ELECTROPHORETIQUE.

Publication

EP 0604423 A4 19950301 (EN)

Application

EP 92904723 A 19910917

Priority

US 9106601 W 19910917

Abstract (en)

[origin: WO9306585A1] A method for writing data to an EPID display (10) includes loading data (36, 38) for a line of pixels onto the grid lines (20) of the EPID. Instead of writing that single line fully by enabling the associated cathode row (18) with a logical "1" voltage for the time necessary to cause complete pigment particle migration, the associated cathode line and at least the next adjacent cathode line are enabled (40) for a shorter duration than is required for fully writing the lines. The grid is then loaded with data corresponding to the next line of pixels and the set of cathode lines enabled is shifted by one line (44), such that at least one cathode line previously enabled is enabled for a subsequent time whereby particle migration for writing is made more complete where the grid data is constant from one row of pixels to the next.

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G09G 3/34

IPC 8 full level

G02F 1/167 (2006.01); **G09G 3/34** (2006.01)

CPC (source: EP)

G09G 3/3446 (2013.01); **G09G 2300/06** (2013.01); **G09G 2310/021** (2013.01); **G09G 2320/06** (2013.01)

Citation (search report)

- No further relevant documents disclosed
- See references of WO 9306585A1

Cited by

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Designated contracting state (EPC)

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DOCDB simple family (publication)

WO 9306585 A1 19930401; CA 2119247 A1 19930401; CA 2119247 C 19990706; DE 69123605 D1 19970123; DE 69123605 T2 19970403; EP 0604423 A1 19940706; EP 0604423 A4 19950301; EP 0604423 B1 19961211; JP H06510370 A 19941117

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