

Title (en)

Black image insertion method and apparatus for display

Title (de)

Methode, ein schwarzes Bild einzufügen, und Vorrichtung zur Anzeige

Title (fr)

Méthode de insertion d'une image noire et dispositif d'affichage

Publication

EP 1501071 A1 20050126 (EN)

Application

EP 03016980 A 20030725

Priority

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Abstract (en)

A black image transistor and a black image line are added into a liquid crystal pixel circuit to control the insertion of black images. Moreover, a gate driver IC that can separately send two signals is used to switch the switching transistor and black image transistor, and there is a time offset between the two signals. <IMAGE> <IMAGE>

IPC 1-7

G09G 3/36

IPC 8 full level

G09G 3/36 (2006.01)

CPC (source: EP)

G09G 3/3648 (2013.01); **G09G 2300/0809** (2013.01); **G09G 2310/0251** (2013.01); **G09G 2310/061** (2013.01); **G09G 2320/0261** (2013.01)

Citation (search report)

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- [AD] NOSE T ET AL: "A BLACK STRIPE DRIVING SCHEME FOR DISPLAYING MOTION PICTURES ON LCDS", 2001 SID INTERNATIONAL SYMPOSIUM DIGEST OF TECHNICAL PAPERS. SAN JOSE, CA, JUNE 5 - 7, 2001, SID INTERNATIONAL SYMPOSIUM DIGEST OF TECHNICAL PAPERS, SAN JOSE, CA: SID, US, vol. 32, June 2001 (2001-06-01), pages 994 - 997, XP001054113
- [AD] NAKAMURA H ET AL: "11.5L: LATE-NEWS PAPER: A NOVEL WIDE-VIEWING-ANGLE MOTION-PICTURE LCD", 1998 SID INTERNATIONAL SYMPOSIUM DIGEST OF TECHNICAL PAPERS. ANAHEIM, CA, MAY 17 - 22, 1998, SID INTERNATIONAL SYMPOSIUM DIGEST OF TECHNICAL PAPERS, SANTA ANA, CA: SID, US, vol. 29, 17 May 1998 (1998-05-17), pages 143 - 146, XP000792529, ISSN: 0098-966X

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