

Title (en)

Active matrix liquid crystal display systems and methods of operating such systems

Title (de)

Flüssigkristallanzeigevorrichtungen mit aktiver Matrix und Verfahren zum Betrieb solcher Vorrichtungen

Title (fr)

Systèmes d'affichage à cristaux liquides à matrice active et méthodes pour mettre en oeuvre ces systèmes

Publication

**EP 0487140 B1 19960306 (EN)**

Application

**EP 91202929 A 19911112**

Priority

GB 9025080 A 19901119

Abstract (en)

[origin: EP0487140A1] An active matrix liquid crystal video display system comprises a display panel (10) having a row and column matrix array of liquid crystal picture elements (12) with respective controlling switching devices (11) for displaying video information such as TV pictures, and a drive circuit for driving the picture elements to which a video, e.g. TV, signal of given field frequency is supplied (25). In order to reduce the response time of the picture elements, the display panel is driven at a field rate higher than that of the supplied video signal. To this end, the drive circuit includes a field rate conversion circuit (28,30,31,32) comprising field stores. <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 2320/0247** (2013.01); **G09G 2320/0252** (2013.01); **G09G 2340/0435** (2013.01)

Cited by

EP1367428A4; US5912651A; EP2017816A3; EP2273483A3; EP1067506A3; US6909472B2; US6741229B1; WO9501701A1; US7952545B2; US8675029B2; EP1774503A1

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