

Title (en)  
Display apparatus.

Title (de)  
Anzeigegerät.

Title (fr)  
Appareil d'affichage.

Publication  
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Application  
**EP 88115825 A 19880926**

Priority  
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Abstract (en)

A display apparatus includes: a) a matrix electrode structure comprising a set of plural scanning electrodes and a set of plural data electrodes intersecting with the scanning electrodes; b) scanning electrode drive means for serially applying a scanning selection signal to the scanning electrodes and data electrode drive means for applying data signals in parallel; c) means for serially generating an address signal for addressing a scanning electrode to which the scanning selection signal is to be applied and image signals for directing data signals to be sent to the data electrodes to the respective data electrodes; and d) means for generating a signal for directing a changeover between a transfer of the address signal to the scanning electrode drive means and a transfer of the image signals to the data electrode drive means. The display apparatus is particularly adapted for partial rewriting.

IPC 1-7  
**G09G 3/36**

IPC 8 full level  
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CPC (source: EP)  
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Cited by  
US5353041A; EP0416172A3; US5321811A; EP0706167A3; US5359344A; US5543817A; US5574476A; US5646646A; US5657042A; US5677706A; US5784043A; US5818410A; US6731264B2; US7432905B2

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