

Title (en)  
CONSTANT-CURRENT DEVICE, DISPLAY DEVICE, AND METHOD FOR DRIVING THE SAME

Title (de)  
KONSTANTSTROMEINRICHTUNG, ANZEIGEVORRICHTUNG UND ANSTEUERUNGSVERFAHREN

Title (fr)  
DISPOSITIF A COURANT CONSTANT, DISPOSITIF D'AFFICHAGE, ET PROCEDE DE COMMANDE

Publication  
**EP 1164565 A1 20011219 (EN)**

Application  
**EP 00956893 A 20000904**

Priority  
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Abstract (en)  
An object of the invention is to suppress a delay in rising of drive voltage when a light-emitting element to be a capacitive load is driven while preventing an increase in circuit size. A display apparatus comprises: an organic EL display (1) including organic EL elements as light-emitting elements; a scanning electrode drive circuit (2) for driving scanning electrodes of the display (1); and a data electrode drive section (3) for driving data electrodes of the display (1). The data electrode drive section (3) includes constant current circuits for the respective data electrodes, each of the constant current circuits supplying a constant current to each of the data electrodes. Each of the constant current circuits allows the value of constant current outputted to change in response to the reference value given such as a reference voltage. The reference value is switched such that, with regard to the period for which one of the scanning electrodes is selected, the value of the constant current supplied to one of the organic EL elements for a specific period started at the point at which the current starts to be supplied is greater than the value of the constant current supplied to the EL element for the remaining period. <IMAGE>

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**G09G 3/30**; H03F 3/34; G06F 3/08

IPC 8 full level  
**G09F 9/30** (2006.01); **G09G 3/20** (2006.01); **G09G 3/30** (2006.01); **G09G 3/32** (2006.01); **H01L 27/32** (2006.01); **H01L 51/50** (2006.01); **H05B 33/08** (2006.01)

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Citation (search report)  
See references of WO 0129813A1

Cited by  
CN100464363C; CN100419837C; US7365714B2; WO2004019310A3; US8895983B2; US9847381B2; US9876063B2; US9876062B2; US10068953B2

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