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**ACTIVE MATRIX TYPE DISPLAY APPARTAUS, ACTIVE MATRIX TYPE
ORGANIC ELECTROLUMINESCENCE DISPLAY APPARATUS, AND DRIVING
METHODS THEREOF**

Abstract of the Disclosure

In an active matrix type organic EL display apparatus, a current bias circuit for feeding a data line with a current in a direction of canceling a writing current is provided for each data line. The current bias circuit includes: a converting unit supplied with information of a value of the driving current to be fed in a form of a current, for converting the supplied current into a from of a voltage; a retaining unit for retaining the voltage obtained by the conversion by the converting unit; and a driving unit for converting the voltage retained by the retaining unit into a current, and feeding the data line with the current as the driving current. The current bias circuit feeds, as a bias current, the driving current in the direction of canceling the brightness data current through each data line, and the value of the bias current is prevented from varying among the data lines. Thus high-speed writing of low brightness data including black data can be realized and an image without black floating can be displayed.

Fig. 8



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