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ABSTRACT

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

An active matrix type organic EL display apparatus according to the present invention which apparatus uses current writing type pixel circuits is provided with a current control circuit for each of data lines connected to the pixel circuits. The current control circuit supplies part of a data line current to a pixel circuit as a bypass current. The current control circuit handles the bypass current of the data line current represented by (data line current = data current + bypass current). Thereby, the data line driving current can be set greater than the data current flowing through TFTs provided in the pixel circuit, thus reducing luminance data writing time. Also, when the writing time is set unchanged, transistor size of the TFTs provided in the pixel circuit can be reduced.

Figure 7