

Abstract of the Disclosure

A LCD controller/driver utilizes a bi-directional data ring to enable quick and easy data alteration and shifting. The controller/driver couples cascaded segment drivers (32, 34) to a row data serial interface (24) which links the drivers with a control circuit. The cascaded segment drivers coupled to the row data serial interface define the bi-directional data ring. Display data input into the segment drivers may be altered by shifting the data into the data ring and transmitting such data to, or through, other segment drivers and to the row data serial interface, where the data is altered by inputs from the control circuit. The control circuit is further coupled to a horizontal pointer register (64). The horizontal point register has latched, from instructions from the MPU, two locations within the data stream of the data ring. These pointers define the boundaries of the area (active region) to be amended or replaced by the MPU.

Fig. 2 accompanies this abstract.

This Sheet Has Been Replaced

