ABSTRACT

ELECTRONIC DISPLAY APPARATUS AND METHOD

The invention relates to an electronic display apparatus (200) and a method for operating the display apparatus (200). The electronic display apparatus (200) includes an display controller (202) and a plurality of display units (208A-N) communicatively coupled to the display controller (202). The display controller (202) includes a microcontroller (204) and one or more supporting components (206). The plurality of display units (208A-N) are linked together using ribbon cables. Each display unit of the plurality of display units (208A-N) includes a display (210), a flip-flop (212), and one or more supporting components (214). The display controller (202) selects one display unit to drive by shifting data into the flip-flop (212) of the selected display unit until the flip-flop (212) is HIGH, and the flip-flops of the non-selected display units of the plurality of display units (208A-N) are LOW.

Figure 2