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(54) **POWER AND DATA COMMUNICATION ARRANGEMENT BETWEEN PANELS**

(56) **References Cited**

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(57) **ABSTRACT**

A display includes two hundred and eighty-six panel displays arranged in rows and columns. The panel displays have a set of main panels and a set of slave panels, and include bi-directional input/output connection point for data communications between the main panel and the slave panel. The rows are divided into a top section and a bottom section, with the top section having seven rows and the bottom section having six rows. A fourth row of the top section and a fourth row of the bottom section have panels from the set of main panels, and the other rows in the top section and the bottom section have panels from the set of slave panels. The fourth row of the top section and the fourth row of the bottom section are coupled to a data line. Each row is coupled to a power supply through a corresponding breaker.

**21 Claims, 32 Drawing Sheets**

