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(71) Applicant: **DUKE MANUFACTURING CO.** [US/US];
2305 North Broadway, St. Louis, Missouri 63102 (US).

(72) Inventor: **WANN, Benjamin Kingbay**; 2305 North
Broadway, St. Louis, Missouri 63102 (US).

(74) Agent: **BAIN, Robert M.** et al.; Stinson LLP, 7700 Forsyth
Blvd, Suite 1100, St. Louis, Missouri 63105 (US).

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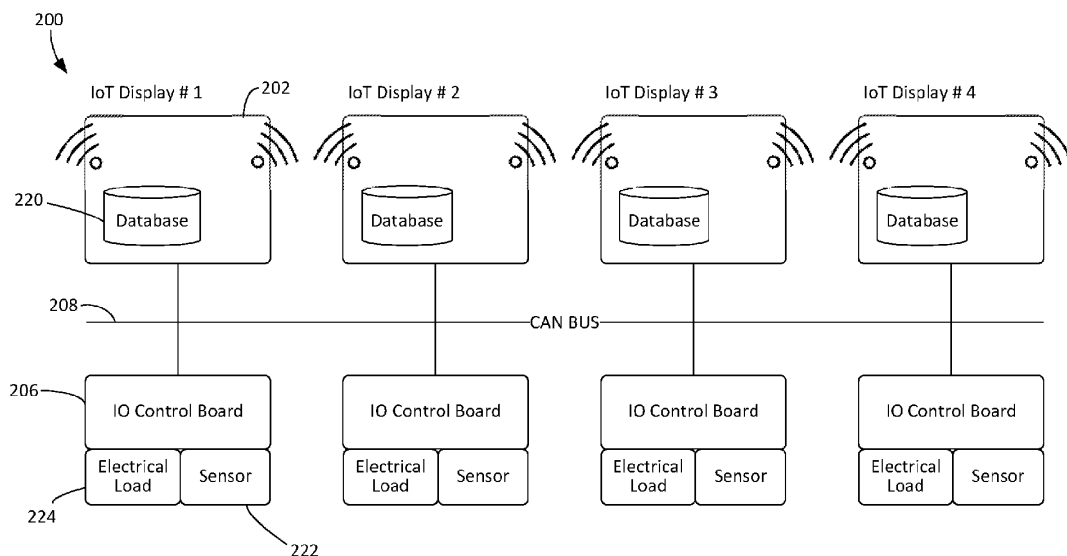


FIG. 2B

(57) Abstract: A kitchen network system comprising a plurality of food preparation apparatuses, each comprising a single board computer communicatively coupled to a wireless mesh network. The single board computer comprises a processor, a built in antenna, and one or more memory devices communicatively coupled to the processor. The memory devices store a database containing provisioning and configuration data for at least two of the nodes of the mesh network. The processor transmits and receives data on the mesh network via the antenna, generates a control signal for controlling an operation of the food preparation apparatus, and communicates the control signal on a physical data bus according to a message based protocol. An input/output (I/O) circuit communicatively coupled to the single board computer via the physical data bus is responsive to the control signal for driving one or more components of the food preparation apparatus to perform the operation.

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