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(54) Title: SYSTEMS AND METHODS FOR MONITORING AND PREDICTING GUEST OCCUPANCY

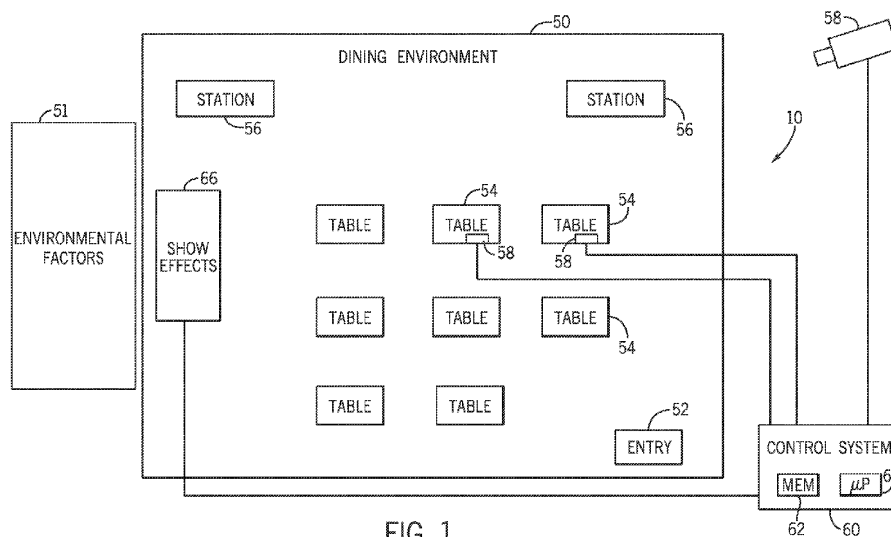


FIG. 1

(57) Abstract: In an embodiment, a seat occupancy system may include at least one sensor configured to output sensor data indicative of a guest occupancy parameter for each seat of a plurality of seats within a dining environment, at least one processor, and memory storing instructions executable by the processor. The processor may receive the sensor data and a map indicative of a first layout of the dining environment comprising locations for each seat of the plurality of seats and for a show effect. The processor may also determine that the guest occupancy parameter for at least one seat does not match a target guest occupancy parameter over a period of time for the first layout of the dining environment and in response, generate a second layout comprising a new location for at least one seat, a new location for the show effect, or both.

[Continued on next page]

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