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(54) **DEMAND/RESPONSE MECHANISM IN A WIRELESS SENSOR NETWORK**

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(57) **ABSTRACT**

A wireless sensor network at a monitored location can be configured to generate sensor channel(s) of data to assess operational conditions at the monitored location. Inputs based on the sensor channel(s) of data are provided to a host system for analysis of a demand to one or more resources at the monitored location. Response messages can be generated based on the demand analysis and transmitted to actuator(s) at the monitored location to effect an adjustment to the operational conditions.