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(54) **LOW OXIDE STRUCTURES**

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See application file for complete search history.

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(57) **ABSTRACT**

The disclosed technology addresses durability issues with structures that are to be used in environments that are hostile to the materials used to construct such structures. One example is a structure configured to house a grilling element and configured to be used in an outdoor grilling environment. The Materials used define an overall low oxide structure that is also resistant to structural damage by life forms such as insects. The structure further provides adjustable firebox features and a venting system to make the structure more universal than prior art devices with regard to regulatory venting requirements. The disclosed technology also provides for electronic monitoring.

17 Claims, 21 Drawing Sheets

