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Goodson

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(54) **METHOD OF PREVENTING ELECTRICALLY INDUCED FIRES IN GAS TUBING**

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(58) **Field of Classification Search** 29/828, 29/854, 857, 868; 439/92, 95, 100; 174/78, 174/51, 84 S; 138/121

See application file for complete search history.

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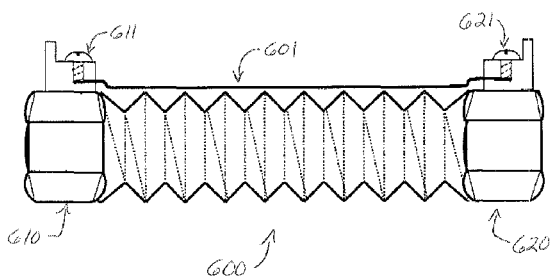
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(57) **ABSTRACT**

The present invention provides a method of preventing electrically induced fires in household gas tubing. The method involves coupling conductive wire and conductive appliance connectors to the gas tubing, wherein the conductive wire provides direct electrical contact between the appliance connectors affixed to the ends of the tubing. In the event that an electrical charge goes to ground via the gas tubing assembly (e.g., lightning strike or appliance short), damage to the gas tubing is prevented by the conductive wire and end connectors providing a low resistance electrical path that allows the current to pass over the gas tubing assembly without the gas tubing itself actually having to carry the load. This reduces the risk of a rupture in the gas tubing from electrical insult, which could result in fire.

7 Claims, 6 Drawing Sheets

CSST with Single Grounding Wire



CSST with Multiple Strands of Grounding Wire

