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**Goodson**

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(54) **DEVICE FOR PREVENTING ELECTRICALLY INDUCED FIRES IN GAS TUBING**

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**H05F 3/00** (2006.01)  
(52) **U.S. Cl.** ..... **361/215**  
(58) **Field of Classification Search** ..... **361/215**  
See application file for complete search history.

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(57) **ABSTRACT**

The present invention provides a device for preventing electrically induced gas fires involving gas tubing such as Corrugated Stainless Steel Tubing (CSST) and gas appliance connectors (GAC). Connectors for coupling the gas tubing to gas lines and appliances are affixed at each end of the tubing. These connectors are made of a conductive material. Conductive wire (i.e. mesh surrounding the gas tubing) provides a direct electrical contact between the end connectors. If an electrical charge goes to ground via the gas tubing, such as from a lightning strike or an appliance short, the current is carried between the end connectors by the conductive wire instead of the gas tubing itself, thereby preventing damage to the gas tubing from the current.

**7 Claims, 5 Drawing Sheets**

