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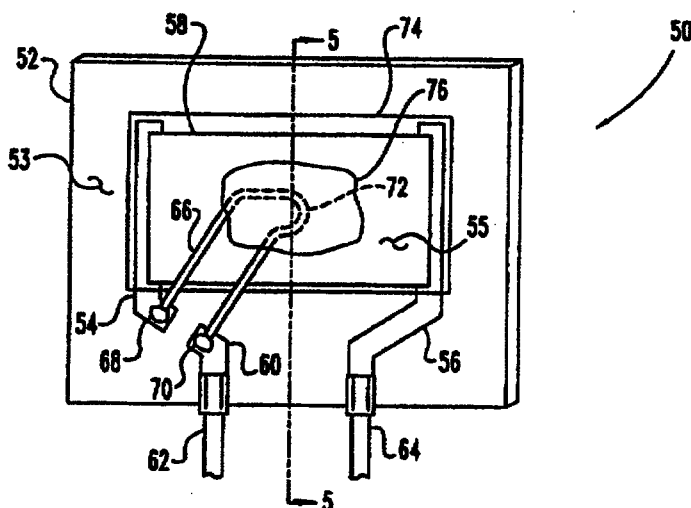
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(54) Title: THERMALLY FUSED RESISTOR



(57) Abstract

A thermally fused resistor (50) arrangement comprises a resistor (58) electrically connected at one end to a first resistor terminal (62) and at an opposite end to a second resistor terminal (64). A solder loop (66) is provided to make the electrical connection between one end of the resistor and its corresponding resistor terminal. A portion of the solder loop (66) is positioned in contact with an electrically insulated portion (74) of the surface of the resistor, preferably corresponding to the hot spot of the resistor, and thermally conductive medium (76) is provided to thermally and mechanically attach the solder loop (66) to the electrically insulated portion (74) of the resistor surface. The portion (72) of the solder loop (66) thermally attached to the resistor (58) is operable to melt when the temperature of the resistor increases to within a predefined temperature range, thereby electrically disconnecting the end of the resistor from its corresponding resistor terminal.