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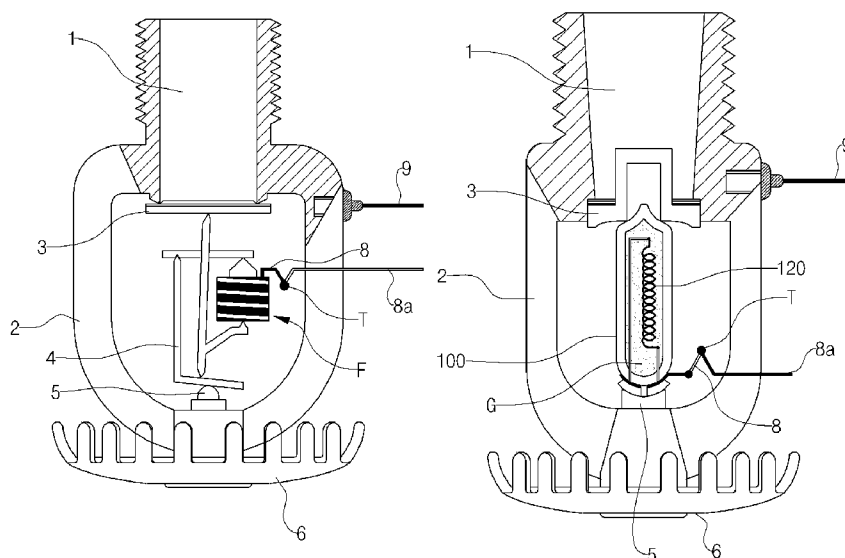
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(54) Title: THERMOSENSITIVE SPRINKLER



(57) Abstract: Disclosed herein are a fire fighting sprinkler which has a sensor therein to detect a temperature, checks the presence of faults therein by itself, and is automatically actuated locally when fires occur, thus controlling sprinklers installed at several places in a centralized manner, therefore more effectively coping with the occurrence of fires, and a method of controlling the fire sprinkler. In the thermo-sensitive sprinkler having a thermal fuse, the thermal fuse includes a casing having an open space therein, a low-temperature fusing material accommodated in the open space, an actuating pin seated in the low-temperature fusing material to be supported by the low-temperature fusing material, thus supporting a discharge valve, an electric heater to heat the low-temperature fusing material, and a power line to supply electricity to the electric heater, the power line comprising a thermocouple having a temperature measuring part where first and second conductors meet.

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