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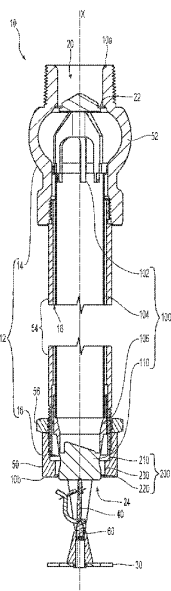


Fig. 1

(57) Abstract: Automatic dry sprinkler assemblies for fire protection systems. Preferred embodiments of the automatic dry sprinkler assemblies include a tubular outer housing having an inlet, an outlet opening, and an internal surface configuration proximate the outlet opening that defines an internal landing surface and a cantilevered centering wall. A fluid deflection member is spaced from the outlet opening along a fluid flow path of the assembly. A fluid control assembly disposed within the outer housing for axial translation from an unactuated state to an actuated state of the sprinkler assembly to control fluid flow from the inlet to the outlet for fluid discharge along the fluid flow path to the deflection member. The internal landing surface and cantilevered centering wall are axially spaced from one another proximate the outlet opening to circumscribe and confront components of the fluid control assembly to facilitate centering and axial translation of the fluid control assembly.

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