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(54) **Title:** SELF-SEALING SPRINKLER SEAL AND METHODS

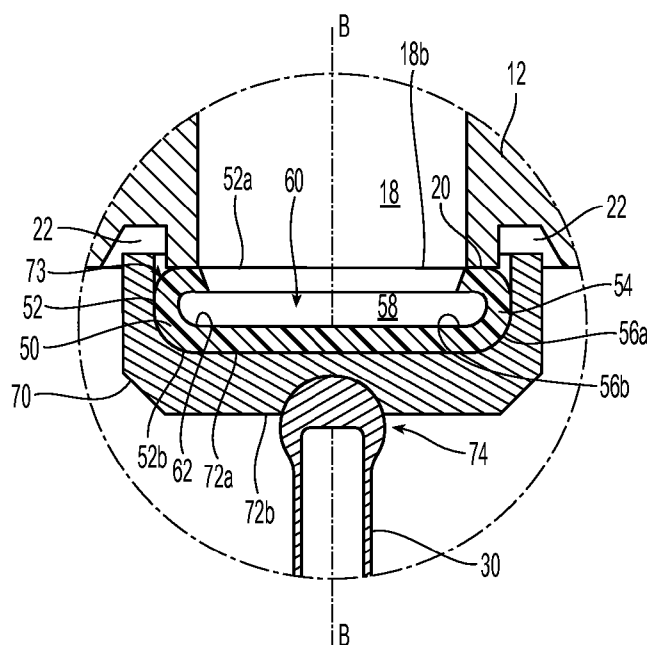


Fig. 2

(57) **Abstract:** An automatic fire protection sprinkler assembly and a method of sealing includes a sprinkler frame having an inlet, an outlet, an internal passageway extending between the inlet and the outlet, and a sealing surface formed about the outlet. The assembly also includes a thermally responsive trigger and a seal assembly disposed between the sealing surface and the thermally responsive trigger. The seal assembly includes a body having an inner surface defining an internal chamber. The inner surface has a portion disposed relative to the sealing surface such that a fluid disposed in the internal chamber and acting on the portion of the inner surface provides a sealing force in the direction of the sealing surface.



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