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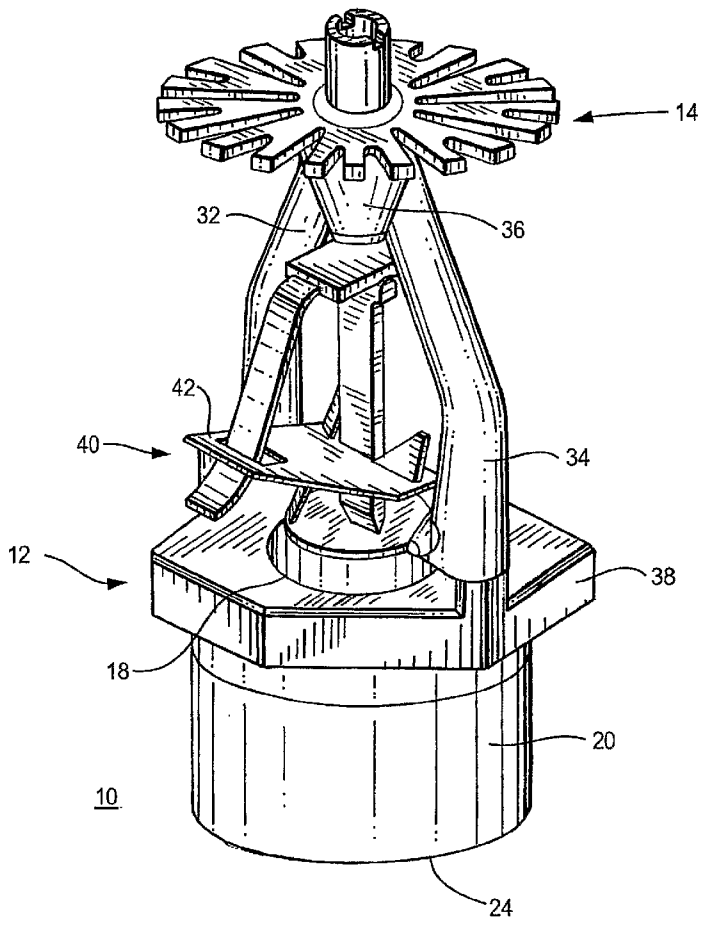
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(54) Title: SPECIAL APPLICATION SPRINKLER FOR USE IN FIRE PROTECTION



(57) Abstract: A sprinkler having a design such that they can be arrayed where the coverage of each exceeds 80 square feet — preferably less than 200 square feet in extra hazard or high piled storage environments up to ceiling heights of 25 feet or greater, including ceiling heights of 35-40 feet. Specifically, in its preferred embodiment each sprinkler is a low pressure sprinkler (e.g., 7-10 psi); has a nominal K factor of 25 or greater and preferably in the range of 18-40; has an RTI greater than 101 $m^{1/2} s^{1/2}$ and includes a deflector which creates large drops; and meets NFPA-13 standards.

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FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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