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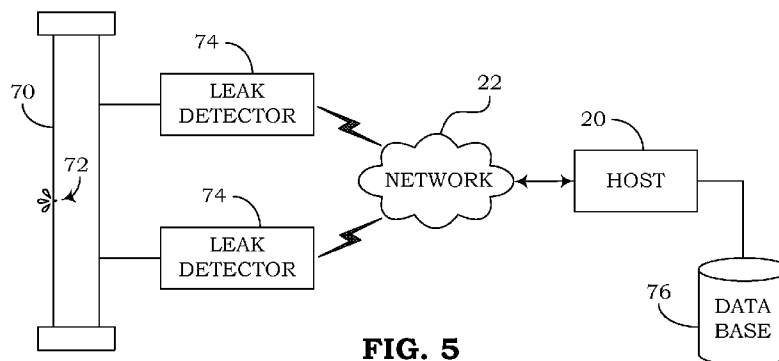


FIG. 5

(57) Abstract: Technologies for detecting leaks in a fluid distribution system are described herein. Historical leak detection information is received from a sensor in the fluid distribution system and collected in a database. A baseline is determined from the historical leak information. Current leak detection information is then received from the sensor and the probability of a leak in the fluid distribution system is determined based on a difference between the current leak detection information and the baseline.