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- (71) **Applicant:** MUELLER INTERNATIONAL, LLC
[US/US]; 1200 Abernathy Road, Suite 1200, Atlanta,
Georgia 30328 (US).
- (72) **Inventors:** BRACKEN, Marc; 10 Ridout Street, Toronto,
Ontario M6R 1Z2 (CA). YUSUF, Shabbir; 5477 Bestview
Way, Mississauga, Ontario L5M 0B1 (CA).
- (74) **Agent:** KING, W. Randy; 1600 Parkwood Circle, Suite
400, Atlanta, Georgia 30339 (US).
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(54) **Title:** DETECTING LEAKS IN A FLUID DISTRIBUTION SYSTEM

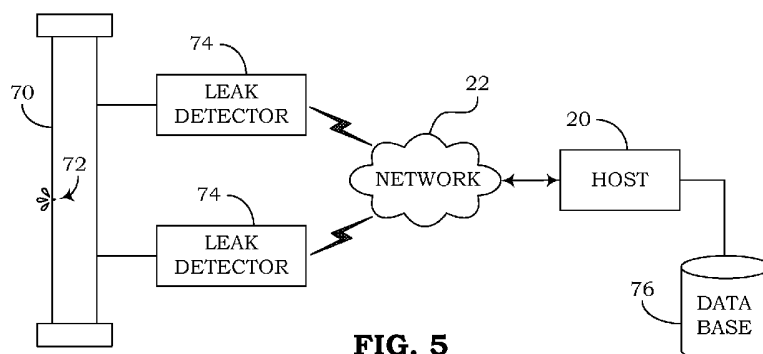


FIG. 5

(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.