United States Patent [19]

Chin et al.

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[54] **THIRD-PARTY DETECTION AROUND PIPELINES**

[75] Inventors: **Robert Wing-Yu Chin; Vitold R. Kruka; Thomas L. Stewart; Robert W. Patterson; Edward R. Cadena, Jr.,** all of Houston, Tex.

[73] Assignee: **Shell Oil Company,** Houston, Tex.

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[52] **U.S. Cl.** **367/135;** 367/191; 181/112; 340/566

[58] **Field of Search** 181/0.5, 101, 108, 112, 181/122, 401; 367/13, 20.24, 135, 136, 153, 178, 191, 177, 909, 124, 126, 129; 73/432.1; 340/566

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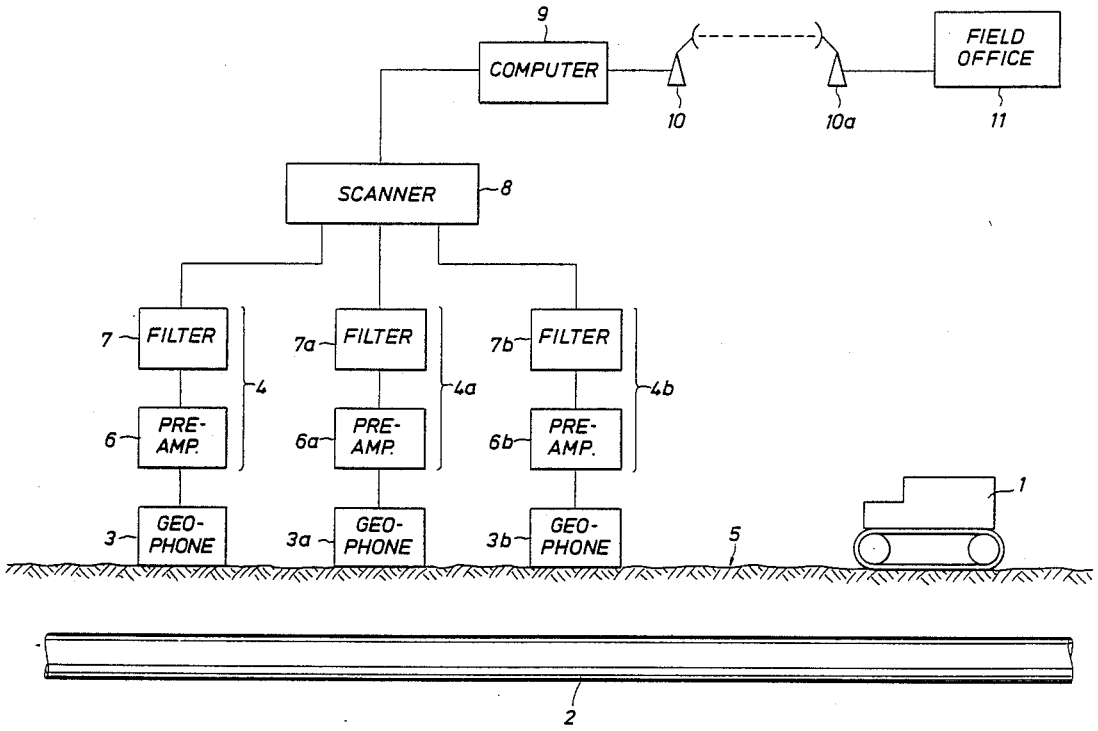
Primary Examiner—Brian S. Steinberger

[57] **ABSTRACT**

Geophones are placed around pipelines to detect third parties, e.g., heavy construction vehicles. Associated computer equipment acquires data from the geophones and discriminates for the frequencies associated with heavy construction vehicles.

4 Claims, 1 Drawing Sheet