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(71) Applicant (for all designated States except US): **EXXON-MOBIL RESEARCH AND ENGINEERING COMPANY** [US/US]; 1545 Route 22 East, P.O. Box 900, Annandale, NJ 08801-0900 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **HILL, Susan, C.** [US/US]; 46205 South Highway 936, St. Amant, LA (US). **CALHOUN, Elvis, L.** [US/US]; 6843 Barrow Hill Drive, St. Francisville, LA 70775 (US). **CASTRO, William** [US/US]; 654 Troutbeck Drive, Baton Rouge, LA 70810 (US).

(74) Agents: **BARRETT, Glenn, T.** et al.; Exxonmobil Research And Engineering Company, 1545 Route 22 East, P.O. Box 900, Annandale, NJ 08801-0900 (US).

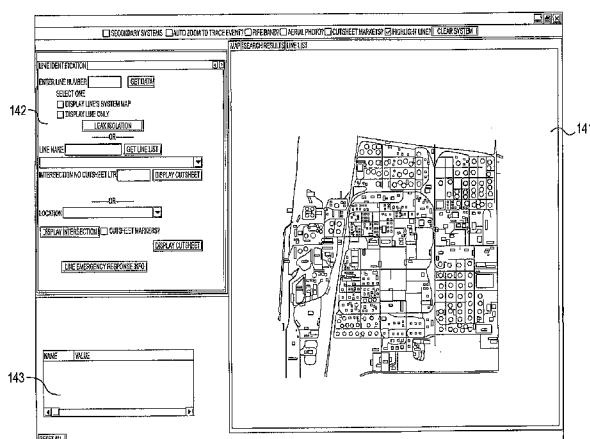
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(54) Title: A PROCESS FOR MAPPING OFF-SITE PIPING SYSTEMS IN A REFINERY AND/OR PETROCHEMICAL FACILITY AND A SYSTEM FOR PROVIDING EMERGENCY ISOLATION AND RESPONSE IN A REFINERY AND/OR PETROCHEMICAL FACILITY



(57) Abstract: A process of mapping piping systems associated with a refinery and petrochemical facilities is disclosed, which maps piping systems, which interconnect facility operating units with other operating units, utilities, distribution facilities and storage units. A system for aiding in the isolation of piping systems, operating units and other facility components is also disclosed. The system includes a search database having representations of the piping systems and its related components. A method of isolating an event within a facility is also disclosed. The method includes identifying the location of an event in the facility, performing a search to identify the impacted piping systems and related components, and identifying measures to isolate the event.