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(71) Applicant (for all designated States except US): CHEV-

RON PHILLIPS CHEMICAL COMPANY LP
 [US/US]; 10001 Six Pines Drive, The Woodlands, Texas
 77380 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): LANIER, Elizabeth
 M. [US/US]; 1215 Arbor Drive, Bartlesville, Oklahoma
 74006 (US). HAUGER, Bryan [US/US]; 2400 Chapel
 Hill Road, Bartlesville, Texas 74004 (US).

(74) Agents: CONLEY ROSE, P.C. et al.; 5601 Granite Park-
 way, Suite 750, Plano, Texas 75024 (US).

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Declarations under Rule 4.17:

— as to applicant's entitlement to apply for and be granted a
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[Continued on next page]

(54) Title: POLYETHYLENE ADDITIVE COMPOSITIONS AND ARTICLES MADE FROM SAME

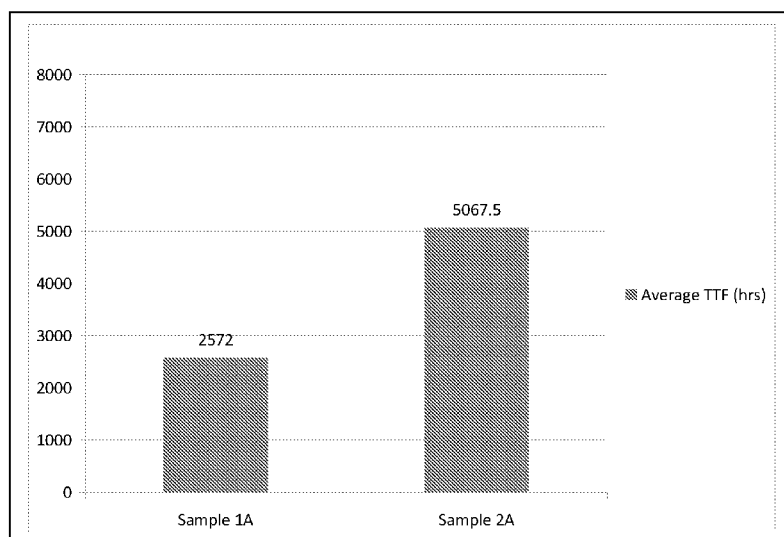


FIG. 1

(57) Abstract: A method comprising forming a polymeric composition by adding zinc oxide to a polymer wherein a pipe formed from the polymeric composition displays a time to failure as determined in accordance with ASTM F2263-07(E1) that is increased by greater than about 25% when compared to an otherwise similar pipe formed from a polymeric composition lacking zinc oxide. A pipe comprising polyethylene and greater than about 0.5 wt.% zinc oxide having a time to failure as determined in accordance with ASTM F2263-07(E1) that is at least about 25% greater than an otherwise similar pipe prepared in the absence of zinc oxide. A method comprising forming a composition comprising a polymer and zinc oxide into an article, and testing the structural integrity of the article when exposed to chlorinated water wherein the zinc oxide is present in an amount of from about 500 ppm to about 10000 ppm.



— *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))* — *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*

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