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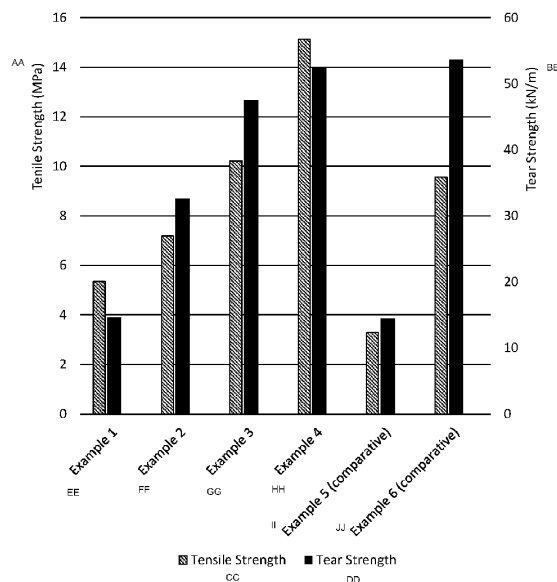
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(54) Title: BIO-BASED POLYOLS FOR HIGH PERFORMANCE POLYURETHANE APPLICATIONS

FIG. 1A



(57) Abstract: Compositions and methods are described for polyurethanes with mechanical properties rivaling that of the highest performing commercially available elastomer materials by employing copolymers of a poly(farnesene) diol and s-caprolactone as the polyol component. Poly(farnesene) diols are produced from biobased monomers and such copolymerization allows incorporation of renewable material in high performance polyurethane materials.

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