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(54) Title: PROCESS OF FORMING A POLYOL

(57) Abstract: A process of forming a polyol includes the steps of providing an alkylene oxide, providing an initiator composition having an average functionality of at least four, and providing an alkaline earth metal hydroxide and an amine. The process also includes the step of reacting the initiator composition and the alkylene oxide in the presence of the alkaline earth metal hydroxide and the amine to form the polyol. This allows the polyol to have consistent chain length and be formed with increased speed and in high yield, while reducing costs and maximizing efficiency. The polyol is reacted with an isocyanate and used to form a polyurethane article.

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