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- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))

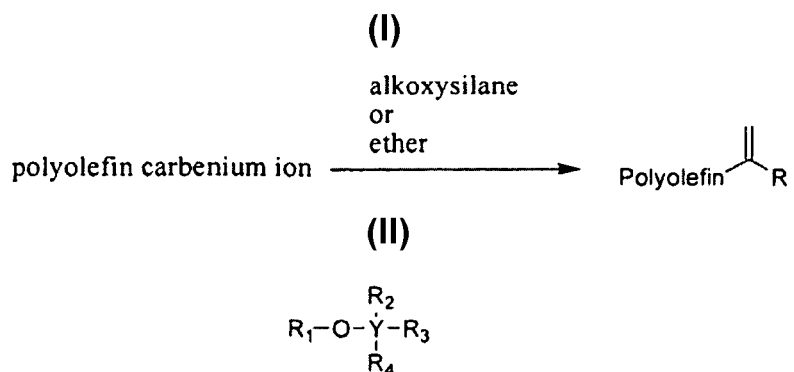
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(54) Title: PREPARATION OF EXO-OLEFIN TERMINATED POLYOLEFINS VIA QUENCHING WITH ALKOXYSILANES OR ETHERS



(57) Abstract: Provided herein are methods for preparing a polyolefin containing one or more exo-olefinic end groups on the polyolefin chain, comprising quenching an ionized polyolefin with an alkoxyasilane or an ether. In some embodiments, the methods are represented by the following scheme I: In some embodiments, the alkoxyasilane or ether compound has the formula II: wherein Y is carbon or silicon; R₁ is hydrocarbyl; and R₂-R₄ are each, independently, hydrogen or hydrocarbyl.