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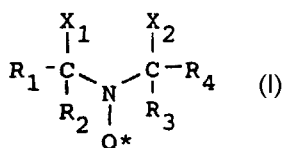
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(54) Title: INHIBITION OF POLYMERIZATION OF UNSATURATED MONOMERS



(57) Abstract: Disclosed herein is a method for inhibiting the premature polymerization of ethylenically unsaturated monomers comprising adding to said monomers an effective amount of: A) at least one stable hindered nitroxyl compound having the structural formula (I) wherein R₁ and R₄ are independently selected from the group consisting of hydrogen, alkyl, and heteroatom-substituted alkyl and R₂ and R₃ are independently selected from the group consisting of alkyl and heteroatom-substituted alkyl; and X₁ and X₂ (1) are independently selected from the group consisting of halogen, cyano, COOR₇, -S-COR₇, -OCOR₇, (wherein R₇ is alkyl or aryl), amido, -S-C₆H₅, carbonyl, alkenyl, or alkyl of 1 to 15 carbon atoms, or (2) taken together, form a ring structure with the nitrogen; and B) at least one phenylenediamine, and, optionally, C) at least one nitroaromatic compound.