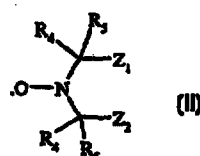
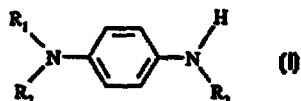




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(54) Title: STABILISED COMPOSITIONS COMPRISING OLEFINS**(57) Abstract**

Subject of the invention is a composition stabilized against premature polymerization comprising a) a light olefin monomer, and an effective polymerization inhibiting amount of b) at least one phenylenediamine of formula (I) wherein R₁, R₂, and R₃ are the same or different and are hydrogen, straight or branched chain alkyl of 1 to 20 carbon atoms, straight or branched chain alkyl of 1 to 20 carbon atoms which is substituted by one to three aryl groups, aryl of 1 to 12 carbon atoms, or aryl of 1 to 12 carbon atoms which is substituted by one to three alkyl groups of 1 to 6 carbon atoms; and c) at least one nitroxide of formula (II) wherein R₄ and R₅ are independently alkyl of 1 to 4 carbon atoms or are together pentamethylene; and Z₁ and Z₂ are each methyl or Z₁ and Z₂ together form a linking moiety which may or may not contain heteroatoms or carbonyl groups and which additionally may be substituted by hydroxy, cyanohydrin, amino, alkoxy, amido, ketal, carboxy, hydantoin, carbamate, or a urethane group. A further subject of the invention is a method for inhibiting the premature polymerization of reactive light olefins and the use of a phenylenediamine together with at least one nitroxide to prevent polymerization of reactive light olefins.