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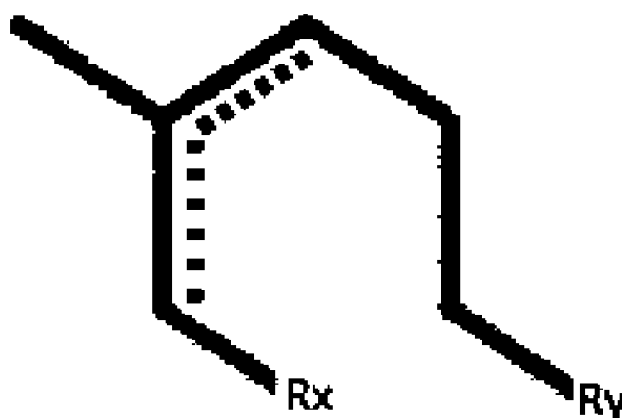
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(54) Title: LUBRICATING COMPOSITIONS



(57) Abstract: This invention is directed to lubricating compositions comprising a first base oil component consisting of a polyalphaolefin base stock or combination of polyalphaolefin base stocks, each having a kinematic viscosity at 100°C of from 3.2 cSt to 3.8 cSt and obtained by a process comprising: (a) contacting a catalyst, an activator, and a monomer in a first reactor to obtain a first reactor effluent, the effluent comprising a dimer product, a trimer product, and optionally a higher oligomer product, (b) feeding at least a portion of the dimer product to a second reactor, (c) contacting said dimer product with a second catalyst, a second activator, and optionally a second monomer in the second reactor, (d) obtaining a second reactor effluent, the effluent comprising at least a trimer product, and (e) hydrogenating at least the trimer product of the second reactor effluent, wherein the dimer product of the first reactor effluent contains at least 25 wt% of tri-substituted vinylene represented by the following structure: and the dashed line represents the two possible locations where the unsaturated double bond may be located and Rx and Ry are independently selected from a C₃ to C₂₁ alkyl group.



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