

**LOW MOLECULAR WEIGHT BRANCHED ALKENYL SUCCINIC ACID  
DERIVATIVES PREPARED FROM LOW MOLECULAR WEIGHT  
POLYISOBUTENE AND UNSATURATED ACIDIC REAGENTS**

**ABSTRACT**

- 5 This invention is directed to a new low molecular weight branched alkenyl succinic acid derivative that may be prepared by reacting a low molecular weight polyisobutene (PIB) having from about 8 to about 32 carbon atoms, and wherein at least about 50 % of the olefinic bonds of the polyisobutene comprises methylvinylidene isomer plus tri-substituted isomer, with an
- 10 unsaturated acidic reagent and method of making same, resulting in alkenyl succinic acid derivative isomers; and a low molecular weight branched alkenyl succinimide and method of making same.