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(54) Title: HIGH PURITY POLYSILOXANE MACROMERS AND METHOD FOR MAKING THE SAME

(57) Abstract: A method of synthesizing a high purity acryloxyalkyldimethylchlorosilane involves (a) reacting an acrylate salt with a haloalkyldimethylalkoxysilane to form an acryloxy-substituted alkyldimethylalkoxysilane; and (b) displacing the alkoxy group in the acryloxy-substituted alkyldimethylalkoxysilane using a chloride-containing compound to form the acryloxyalkyldimethylchlorosilane. The acryloxyalkyldimethylchlorosilane, which may be used as an end-capper for AROP, has a purity of greater than about 99% and contains no detectable isomeric or hydrogenated impurities.