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(54) Title: HYDROCARBON CORE POLYSULFIDE SILANE COUPLING AGENTS FOR FILLED ELASTOMER COMPOSITIONS

(57) Abstract: The present invention discloses novel hydrocarbon core polysulfide silanes and methods of preparing the hydrocarbon core polysulfide silanes. Preferably, the silanes of the present invention contain assemblies of a single unit of a hydrolyzable silane group, tethered to one end of a chain of sulfur atoms, and several of these assemblies are bound to a common central hydrophobic core via the outer end of the sulfur atoms chain. The hydrocarbon core polysulfide silanes may be incorporated into filled elastomeric compositions providing improved dispersibility of the filler materials. Mineral fillers may be pre-treated with the hydrocarbon core polysulfide silanes prior to use in elastomeric compositions.