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(54) Title: SILANE-BASED, COATING COMPOSITIONS, COATED ARTICLES OBTAINED THEREFROM AND METHODS
OF USING SAME

(57) Abstract: Silane based coating compositions provide durable, corrosion resistant coatings on metal and non-metal surfaces. A typical composition may include one or a mixture of silanes, such as methyltrimethoxysilane and phenyltrimethoxysilane. The coating compositions may be formulated with either acidic or basic catalysts, the latter being especially suitable for coating steel substrates. Coatings for food and beverage containers, automotive finishes, HVAC surfaces, alkali metal silicates, concrete, and the like, are described. Primer coating compositions which include two or more polyfunctional organosilanes but no monofunctional organosilanes provide strongly adherent corrosion resistant primer coatings for metals and are very adherent to polyurethane, epoxy and other resin topcoats.