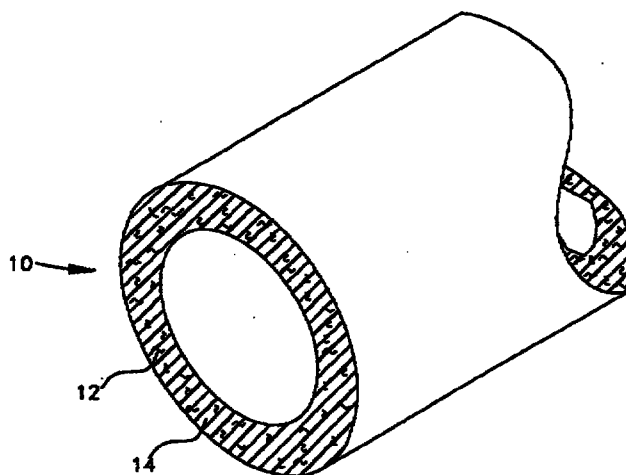


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(54) Title: **POLYSILOXANE POLYURETHANE COMPOSITIONS**

(57) Abstract

A polysiloxane polyurethane composition is prepared by combining in the presence of water and in a predetermined proportion an organic di- or polyisocyanate, a polyol, a hydroxyl-containing silicon material having the hydroxyl groups attached directly to a silicon atom, an organotin catalyst, an amine catalyst, a methoxy-functional silicone intermediate, and a carbinol. If desired, various different fillers, pigments, solvent, and additives for enhancing pigment wetting and flow control and the like can also be used to prepare the coating. The chemical ingredients are combined together to undergo chemical reaction to form silanol-functionalized urethane prepolymers that cure at ambient temperatures in the presence of moisture to form a polysiloxane polyurethane composition having enhanced properties of chemical and weather resistance, high tensile and tear strength, and high elongation. The composition may be used as a binder to form a hose (10), which may comprise reinforcing material (12) and binder (14).