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(54) Title: PROCESS FOR HIGHLY PURIFIED POLYHEDRAL OLIGOMERIC SILSESQUIOXANE MONOMERS

(57) Abstract: A synthesis process for polyhedral oligomeric silsesquioxanes that produces in high yield a low resin content, solvent free, and trace metal free monomer suitable for use in microelectronic applications. POSS silanols are reacted with a silane coupling agent in the presence of a solvent and a superbase.