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(54) **Title**: METHOD FOR ATTACHMENT OF SILICON-CONTAINING COMPOUNDS TO A SURFACE AND FOR SYNTHESIS OF HYPERVALENT SILICON-COMPOUNDS

(57) **Abstract**: A method for functionalising a surface of a substrate, the method comprising: (a) providing (i) a silicon-containing compound having two or more leaving groups, and (ii) a first functional compound comprising at least one nucleophilic group; (b) contacting the silicon-containing compound and the functional compound with a surface of a substrate having nucleophilic sites thereon; and (c) exposing the silicon-containing compound, the functional compound and the surface of the substrate to microwave radiation.