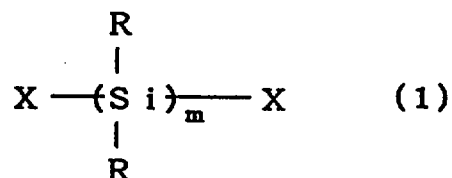
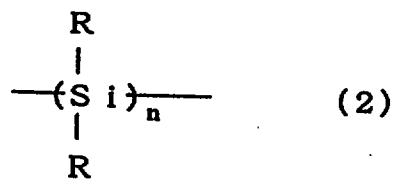


ABSTRACT

A method for producing polysilanes comprising
subjecting a dihalosilane of the general formula



(wherein m is 1 to 3; R represents hydrogen atom, alkyl
5 group, aryl group, alkoxy group, amino group or silyl
group and two Rs are the same or different in case of m=1,
four Rs are the same or at least two of them are different
in case of m=2 and six Rs are the same or at least two of
them are different in case of m=3; X represents halogen
10 atom) to the action of Mg or Mg alloy in an aprotic
solvent in the presence of Li salt and metal halide,
thereby producing polysilane represented by the general
formula



(wherein R is as defined above corresponding to the
15 starting material; n is 2 to 1000).