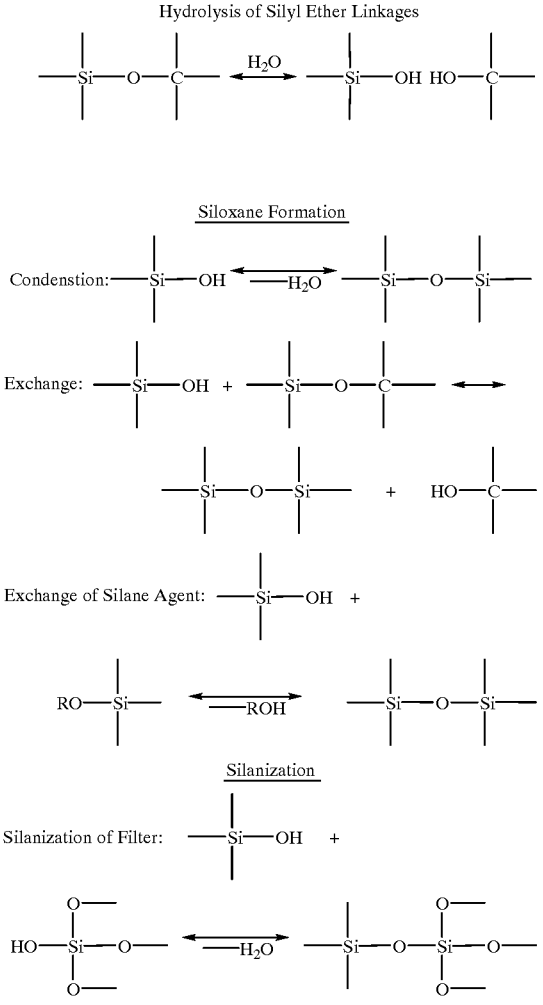
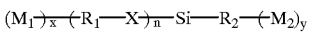


While only certain preferred embodiments of this invention have been shown and described by way of illustration, many modifications will occur to those skilled in the art and it is, therefore, desired that it be understood that it is intended herein to cover all such modifications that fall within the true spirit and scope of this invention.

What is claimed is:

1. A silylated resin represented by the general formula (I):

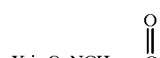


(I)

in which:

R_1 is an aliphatic, cycloaliphatic, aryl, hydrocarbon, or fluorocarbon group;

R_2 is the same as R_1 or a different aliphatic, cycloaliphatic, aryl, hydrocarbon, or fluorocarbon group;

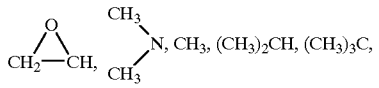


X is O, NCH_3 or C—O;

-continued

M_1 is  where R_3 is H, CH_3, or CH_2CH_3;

M_2 is the same as M_1 or a different functional or non-functional group selected from the group consisting of:



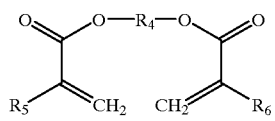
CF_3, and C_6H_5;

n is 1–3;

x is 1–20; and

y is 1–20;

which comprises the reaction product of the exchange reaction of a hydroxylated, animated, or carboxylated acrylic compound represented by the general formula (II):



(II)

in which:

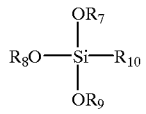
R_4 is an aliphatic, cycloaliphatic, aryl, hydrocarbon, or fluorocarbon group with one or more protic functional groups selected from the group consisting of:

OH, N—H, and CO_2H;

R_5 is H or CH_3; and

R_6 is H or CH_3;

with a silane selected from the group consisting of a trialkoxyorganosilane or triacyloxyorganosilane represented by the general formula (III):



(III)

in which:

R_7, R_8, and R_9 each is:

CH_3, CH_3CH_2, $CH_3CH_2CH_2$, $(CH_3)_2CH$,

R_{10} is an aliphatic, cycloaliphatic, and aryl group which can optionally be substituted with a group from the group consisting of an acrylic group, a methacrylic group, an epoxy group, and a substituted amino, hydroxyl, or carboxylic acid group.

2. The resin of claim **1**, wherein the hydroxylated acrylic compound is 2,2-bis-[4-(2'-hydroxy-3'-methacryloxypropoxy)phenyl]propane.

3. The resin of claim **1**, wherein the carboxylated acrylic compound is pyromellitic acid di-2-methacryloyloxyethyl ester.