We claim:

Claim 1. A process for producing treated filler comprising:

~~(c)~~ (a) treating a slurry comprising untreated filler wherein said untreated filler has not been previously dried, with a treating composition comprising an organosilane ~~of the general formula (I):~~

~~$(R_1)_a(R_2)_bSiX_{4-a-b}$ (I)~~

~~wherein each R_1 is independently an organofunctional hydrocarbon comprising 1 to 36 carbon atoms, wherein the functional group of the organofunctional hydrocarbon is vinyl, allyl, hexenyl, epoxy, glycidoxy, (meth)acryloxy, sulfide, isocyanato, polysulfide, mercapto, or halogen; each R_2 is independently a hydrocarbon group having from 1 to 36 carbon atoms or hydrogen, X is each independently halogen or alkoxy comprising 1 to 36 carbon atoms; a is 0, 1, 2, or 3; b is 0, 1, or 2; (a+b) is 1, 2, or 3; with the proviso that when b is 1, (a+b) is 2 or 3,~~ selected from (4-chloromethyl-phenyl) trimethoxysilane, (4-chloromethyl-phenyl) triethoxysilane, [2-(4-chloromethyl-phenyl)-ethyl] trimethoxysilane, [2-(4-chloromethyl-phenyl)-ethyl] triethoxysilane, (3-chloro-propenyl)-trimethoxysilane, (3-chloro-propenyl)-triethoxysilane, (3-chloro-propyl)-triethoxysilane, (3-chloro-propyl)-trimethoxysilane, trimethoxy-(2-p-tolyl-ethyl)silane and/or triethoxy-(2-p-tolyl-ethyl)silane, to produce a treated filler slurry, and

~~(d)~~ (b) drying said treated filler slurry to produce treated filler.

~~Claim 2. The process of claim 1, wherein the treating composition comprises an organosilane comprising a halo-functional organosilane, wherein X is alkoxy; a is 1; b is 0; and the functional group of the organofunctional hydrocarbon of R_1 is halogen.~~

~~Claim 3. The process of claim 2, wherein the treating composition comprises a halo-functional organosilane selected from (4-chloromethyl-phenyl) trimethoxysilane, (4-chloromethyl-phenyl) triethoxysilane, [2-(4-chloromethyl-phenyl) ethyl] trimethoxysilane, [2-(4-chloromethyl-phenyl) ethyl] triethoxysilane, (3-chloro-propenyl)-trimethoxysilane, (3-chloro-propenyl)-triethoxysilane, (3-chloro-propyl)-triethoxysilane, (3-chloro-propyl)-trimethoxysilane, trimethoxy-(2-p-tolyl-ethyl)silane and/or triethoxy-(2-p-tolyl-ethyl)silane.~~

Claim ~~4~~ 2 The process of claim 1, wherein the treating composition further comprises a treating material chosen from anionic, nonionic and amphoteric surfactants and mixtures thereof, wherein the treating material is present in an amount of from greater than 1% to 25% by weight of untreated filler.

Claim ~~53~~. The process of ~~claim 2~~ claim 1, wherein the treating composition further comprises a mercaptosilane different from ~~the~~ a halo-functional organosilane of claim 1.

Claim ~~64~~. The process of claim ~~53~~, wherein the mercaptosilane comprises mercaptopropyltrimethoxysilane.

Claim ~~75~~. The process of claim ~~53~~, wherein the treating composition further comprises a treating material chosen from anionic, nonionic and amphoteric surfactants and mixtures thereof, wherein the treating material is present in an amount of from greater than 1% to 25% by weight of untreated filler.

Claim ~~86~~. The process of claim 1 wherein said untreated filler is chosen from aluminum silicate, silica gel, colloidal silica, precipitated silica, and mixtures thereof.

Claim ~~97~~. The process of claim ~~7~~ 5 wherein said treating material is chosen from salts of fatty acids, alkyl sarcosinates, salts of alkyl sarcosinates, and mixtures thereof.

Claim ~~108~~. The process of claim 1, wherein the filler comprises precipitated silica.

~~Claim 11. The process of claim 1, wherein~~
~~the treated filler comprises treated precipitated silica; and~~
~~the treating composition comprises:~~

~~(i) a halo-functional organosilane of the general formula (I),~~
~~(ii) a treating material chosen from anionic, nonionic and/or amphoteric surfactants, wherein the treating material is present in an amount of from greater than 1% to 25% by weight of untreated filler, and~~
~~(iii) optionally, a silane different from the halo-functional organosilane (i).~~

Claim ~~129~~. A process for producing treated filler comprising:

(a) combining alkali metal silicate and acid to form a slurry comprising untreated filler wherein said untreated filler has not been previously dried;

(b) treating said slurry with a treating composition comprising an organosilane ~~of the general formula (I):~~

~~$(R_1)_a(R_2)_bSiX_{4-a-b}$ (I)~~

~~wherein each R_1 is independently an organofunctional hydrocarbon comprising 1 to 36 carbon atoms, wherein the functional group of the organofunctional hydrocarbon is vinyl, allyl, hexenyl, epoxy, glycidoxy, (meth)acryloxy, sulfide, isocyanato, polysulfide, mercapto, or halogen; each R_2 is independently a hydrocarbon group having from 1 to 36 carbon atoms or hydrogen, X is each independently halogen or alkoxy comprising 1 to 36 carbon atoms; a is 0, 1, 2, or 3; b is 0, 1, or 2; (a+b) is 1, 2, or 3; with the proviso that when b is 1, (a+b) is 2 or 3,~~ selected from (4-chloromethyl-phenyl) trimethoxysilane, (4-chloromethyl-phenyl) triethoxysilane, [2-(4-chloromethyl-phenyl)-ethyl] trimethoxysilane, [2-(4-chloromethyl-phenyl)-ethyl] triethoxysilane, (3-chloro-propenyl)-trimethoxysilane, (3-chloro-propenyl)-triethoxysilane, (3-chloro-propyl)-triethoxysilane, (3-chloro-propyl)-trimethoxysilane, trimethoxy-(2-p-tolyl-ethyl)silane and/or triethoxy-(2-p-tolyl-ethyl)silane, to produce a treated filler slurry, and

~~(a)~~ (c) drying said treated filler slurry to produce a treated filler.

Claim ~~13~~10. The process of claim ~~12~~9, wherein said alkali metal silicate comprises aluminum silicate, lithium silicate, sodium silicate, and/or potassium silicate.

~~Claim 14. The process of claim 12, wherein the treating composition comprises an organosilane comprising a halo-functional organosilane, wherein X is alkoxy; a is 1; b is 0; and the functional group of the organofunctional hydrocarbon of R_1 is halogen.~~

~~Claim 15. The process of claim 14, wherein the treating composition comprises a halo-functional organosilane selected from (4-chloromethyl-phenyl) trimethoxysilane, (4-chloromethyl-phenyl) triethoxysilane, [2-(4-chloromethyl-phenyl)-ethyl] trimethoxysilane, [2-(4-chloromethyl-phenyl)-ethyl] triethoxysilane, (3-chloro-propenyl)-trimethoxysilane, (3-chloro-propenyl)-triethoxysilane, (3-chloro-propyl)-triethoxysilane, (3-chloro-propyl)-trimethoxysilane, trimethoxy-(2-p-tolyl-ethyl)silane and/or triethoxy-(2-p-tolyl-ethyl)silane.~~

Claim ~~16~~11. The process of claim ~~12~~9, wherein the treating composition further comprises a treating material chosen from anionic, nonionic and amphoteric surfactants and

mixtures thereof, wherein the treating material is present in an amount of from greater than 1% to 25% by weight of untreated filler.

Claim ~~17~~12. A treated filler material produced by the process of claim 1.

Claim ~~18~~13. A rubber composition comprising the treated filler produced by the process of claim 1.

Claim ~~19~~14. The rubber composition of claim ~~18~~ 13 comprising natural rubber.

Claim ~~20~~15. A rubber article comprising the treated filler produced by the process of claim 1.

Claim ~~21~~16. A tire tread comprising the treated filler produced by the process of claim 1.