We claim:

1. A red phosphor, comprising:

an inorganic compound represented by formula (1)

$$M(II)M(III)SiN_yC_x:A \quad (1)$$

wherein M(II) comprises at least one divalent cation; wherein M(III) comprises at least one trivalent cation; wherein A comprises at least one luminescence activator; wherein $0 < y < 3$; and, wherein $0 < x \leq 2$.

2. The red phosphor of claim 1, wherein the inorganic compound is represented by formula (2)

$$(Ca_zSr_a)AlSiN_yC_x:A \quad (2)$$

wherein $0 \leq z \leq 1$; $0 \leq a \leq 1$; and, $(z+a) \leq 1$.

3. The red phosphor of claim 2, wherein $y=(3-(4x/3))$.

4. The red phosphor of claim 2, wherein $y=(3-x)$.

5. The red phosphor of claim 2, wherein A is Eu^{2+}.

6. The red phosphor of claim 1, wherein the red phosphor exhibits an emission spectra having a peak wavelength, $P\lambda_{phosphor}$, between 600 nm and 660 nm upon excitation from a light source exhibiting an emission spectra having a peak wavelength, $P\lambda_{source}$, between 200 nm and 600 nm.

7. The red phosphor of claim 1, further comprising a surface treatment; wherein the surface treatment is applied to a surface of the inorganic compound.

8. A phosphor composition, comprising: a red phosphor according to claim 1; and, a liquid carrier; wherein the red phosphor is dispersed in the liquid carrier.

9. A lighting apparatus for emitting white light comprising:

a light source, wherein the light source produces light having a source luminescence spectrum; and,

a first source luminescence spectrum modifier, wherein the first source luminescence spectrum modifier is a red phosphor according to claim 1;

wherein the red phosphor is radiationally coupled to the light source.

10. The lighting apparatus of claim 7, wherein the source luminescence spectrum has a peak wavelength, $P\lambda_{source}$, between 200 and 600 nm; and, wherein, upon excitation of the red phosphor by exposure to the light produced by the light source, the red phosphor exhibits an emission spectrum having a peak wavelength, $P\lambda_{phosphor}$, between 600 and 660 nm.