

INORGANIC PHOSPHOR AND LIGHT EMITTING DEVICES COMPRISING SAME

Abstract of the Disclosure

A phosphor is provided, comprising an inorganic luminescent compound represented by formula (1) having an emission spectrum resolvable into a first Gaussian emission curve and a second Gaussian emission curve; wherein the first Gaussian emission curve has a first Gaussian emission curve peak, **P₁**; wherein the first Gaussian emission curve peak, **P₁**, has a peak 1 height, **H_{P1}**, a peak 1 peak wavelength, **Pλ_{P1}**, and a peak 1 area, **A_{P1}**; wherein the second Gaussian emission curve has a second Gaussian emission curve peak, **P₂**; wherein the second Gaussian emission curve peak, **P₂**, has a peak 2 height, **H_{P2}**, a peak 2 peak wavelength, **Pλ_{P2}**, a peak 2 full width at half max, **FWHM_{P2}**, and a peak 2 area, **A_{P2}**; wherein **Pλ_{P1} < Pλ_{P2}**; and, wherein, at least one of, the peak 2 height, **H_{P2}**, the peak 2 full width at half max, **FWHM_{P2}**, and, the peak 2 area, **A_{P2}**, is minimized.

No Fig.