

OPTICAL ANTENNA

ABSTRACT

- 5 According to embodiments of the present invention, an optical antenna is provided. The optical antenna includes at least one first particle, and at least one second particle having a diameter that is larger than a diameter of the at least one first particle, wherein the at least one first particle and the at least one second particle are arranged along a plane, and wherein the at least one first particle is configured to enhance an optical emission of at
10 least one light source providing an optical signal to the optical antenna and the at least one second particle is configured to direct the optical signal in a direction at least substantially perpendicular to the plane.

Figure 4M