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(54) Title: **OMNIDIRECTIONAL ANTENNA** ✓

(57) Abstract ✓

An antenna system for providing radiation over substantially 360° in azimuth by illuminating a conical reflector with a radiation beam having a frequency distribution with a local minimum which is coincident with the point of the reflector thus avoiding scattering. Preferably the radiation intensity distribution is annular, most preferably being Laguerre-Gaussian in nature.

