

Conductive Paste and Conductive Paste Curing Method,
Method of Forming Antenna For Radio Frequency Identification
Medium Employing Conductive Paste, and
Radio frequency Identification Medium

ABSTRACT OF THE DISCLOSURE

There is provided a photosetting conductive paste that has a surface resistance of no greater than 200 m Ω /sq. upon curing by light irradiation. The photosetting conductive paste comprises conductive powder and a photosetting resin composition in specific amounts. The conductive powder contains dendritic conductive powder and scaly conductive powder at 80% or greater of the total conductive powder, the dendritic conductive powder having a mean particle size of 0.05-1.0 μ m, a specific surface area of 0.5-5.0 m²/g, and the scaly conductive powder having a mean particle size of 1.0-10.0 μ m and a specific surface area of 0.5-5.0 m²/g, wherein the weight ratio of the dendritic conductive powder and scaly conductive powder is 6/40 - 95/5. There is also provided a method of forming an antenna for a radio frequency identification medium that comprises printing the conductive paste on a substrate in an antenna-shaped pattern and curing it.

Figure 4