ABSTRACT

PRINTING INK, METAL NANOPARTICLES USED IN THE SAME, WIRING, CIRCUIT BOARD, AND SEMICONDUCTOR PACKAGE

Disclosed is a printing ink comprising Cu- and/or CuO-containing metal nanoparticles, which obtains excellent dispersion properties and successive dispersion stability without using additives such as dispersing agents. Specifically disclosed is a printing ink that comprises Cu- and/or CuO-containing metal nanoparticles and has no more than 2,600 ppm of ionic impurities in the total solid content. The printing ink is obtained by dispersing the Cu- and/or CuO-containing metal nanoparticles, which have no more than 2,600 ppm of ionic impurities in the total solid content, in a dispersion medium.

(No drawing to accompany Abstract)