

SPHERICAL SILVER POWDER, METHOD OF PRODUCING SPHERICAL
SILVER POWDER, SPHERICAL SILVER POWDER PRODUCTION
APPARATUS, AND CONDUCTIVE PASTE

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ABSTRACT

Provided is a spherical silver powder that can bring about excellent
fine line printability when used in a conductive paste or the like. The spherical
silver powder has a diameter D_{10} at a volume-based cumulative value of 10%,
10 a diameter D_{50} at a volume-based cumulative value of 50%, and a diameter D_{90}
at a volume-based cumulative value of 90% according to laser diffraction that
satisfy a formula: $(D_{90} - D_{10})/D_{50} < 1$, and has a ratio (D_{50}/D_{BET}) of the D_{50}
relative to a BET diameter D_{BET} of not less than 0.90 and not more than 1.20.

15 Figure 1