

ABSTRACT

BISMUTH SULFIDE PARTICLES, METHOD FOR PRODUCING SAME, AND USE OF SAME

Provided are bismuth sulfide particles having a high degree of blackness.

Bismuth sulfide particles having a high degree of blackness with an L^* value of 22.0 or lower in the $L^*a^*b^*$ color system, and having a high infrared reflectance with a reflectance at a wavelength of 1200 nm of 30.0% or higher. The bismuth sulfide particles are produced by mixing a bismuth compound and a sulfur compound in an aqueous dispersion medium so that the ratio (S/Bi molar ratio) of the number of mol of sulfur atoms to the number of mol of bismuth atoms is 3.5-20 inclusive, and then heating. The heating temperature is preferably 30-145°C inclusive.

FIG. 1