

Organosulfur gold compounds, a process for their production and their use

5 Abstract

Various organosulfur gold compounds and their use for the production of gold decorations are known.

10 The invention relates to new organosulfur gold compounds, to a process for their production and to their use for the production of preparations for producing a gold decoration on firing-resistant substrates.

15 The gold compounds according to the invention are obtainable from monogold(I) dimercaptosuccinic acid and compounds of similar structure by dissolution thereof in water in the presence of a base and precipitation by acidification and, if desired, repetition of the dissolving and precipitating steps. The gold compounds according to the invention are characterized by a gold content
20 of 60 to 90% by weight, an atomic ratio of greater than 0.7 to 4:1 and by electrochemical non-reducibility up to -1.8 volts. Preferred gold compounds are soluble in water and are suitable as a constituent of organic/aqueous and exclusively aqueous bright and burnished gold
25 preparations for the decoration of glass, porcelain and ceramic.

This Sheet Has Been Replaced

