



ABSTRACT

The invention relates to an aqueous electrolytic bath for electrochemically depositing gold or its alloys comprising at least one soluble gold compound intended to be deposited electrolytically and, optionally, at least one secondary metal compound intended to be co-deposited in the form of an alloy with gold, characterised in that it further comprises 0.3 to 3 moles, per mole of gold contained in the electrolytic bath, of an organic compound comprising one or two aldehyde functions, said organic compound being :

- either glyoxal, or
- an organic compound having 3 to 20 carbon atoms and one or two aldehyde functions in the form :
 - of a linear, branched, saturated or unsaturated aliphatic group, or
 - of a group containing at least one saturated, unsaturated or aromatic ring,

it being possible for said organic compound to further comprise at least one heteroelement selected from oxygen, nitrogen, sulphur, and phosphorus, or to be in the form of a salt, particularly in the form of a sulphonate.

The presence of this organic compound enables improving the speed of electrodeposition of gold or of its alloys and/or lowering the contact resistance.

The invention also relates to a method of electrodepositing gold or an alloy of gold comprising electrolysing an electrolytic bath as defined above.

