Claims

[Claim 1]

An electric contact comprising:

an electrically-conductive base material;

a surface layer which comprises Pd and Ag, and is formed on the base material, and

an outermost layer comprising~~composed primarily of~~ Sn, and is directly~~or Au~~ formed on the base material~~,~~.

~~[Claim 2]~~

~~The electric contact according to claim 1,~~ wherein a specific amount~~surface layer composed primarily~~ of ~~a material into which~~ Sn in the outermost layer is melted~~s~~ into~~and diffuses upon application of heat is formed on the base material, and the outermost layer is formed so as to have direct contact with a surface of~~ the surface layer.

~~[Claim 3]~~

~~The electric contact according to claim 2, wherein the surface layer is composed primarily of Pd and Ag.~~

[Claim 2]

An electric contact comprising:

an electrically-conductive base material;

a surface layer which comprises Pd and Ag, and is formed on the base material, and

an outermost layer comprising Au, and is directly formed on the base material,

wherein, the outermost layer is formed so that an Sn-Au alloy is formed when the outermost layer is directly contacted with an Sn-containing terminal of an electrical part and the electrical part is operated in a high temperature environment.

[Claim 34]

The electric contact according to claim 1 or 2~~3~~, wherein the Ag is heavier in weight than the Pd.

[Claim 4~~5~~]

The electric contact according to any one of claims 1 to 3~~ or 4~~, wherein the surface layer includes a Pd-Ag plated layer.

[Claim 5~~6~~]

The electric contact according to any one of claims 1 to 3~~5~~, wherein the surface layer includes a laminate of a Pd-Ag plated layer and an Ag plated layer or a laminate of a Pd-Ag plated layer and a Pd plated layer.

[Claim 6~~7~~]

The electric contact according to any one of claims 1 to 3~~ or 4~~, wherein the surface layer includes a laminate of an Ag plated layer and a Pd plated layer.

[Claim 7~~8~~]

The electric contact according to any one of claims 1~~2~~ to 6~~7~~, wherein a foundation layer composed primarily of Ni is formed on the base material, and the surface layer is formed on the foundation layer.

[Claim 8~~9~~]

A socket for electrical part comprising:

a socket body;

a housing portion in which an electrical part provided with an Sn-containing terminal is housed; and

an electric contact according to any one of claims 1 to 7~~8~~ disposed in the socket body and brought into contact with the terminal.