

ABSTRACT

In the process of producing a high-purity gold alloy, (1) trace elements are added and (2) heat treatment is performed, so that the hardness is increased to a level
5 approximately equivalent to that of 18-karat gold at relatively low working ratio, thereby eliminating the drawbacks associated with high-purity gold, that is, improving the workability, heat resistance, flaw resistance, durability, etc.

10 A high-purity gold alloy according to the present invention can be hardened to a level approximately equivalent to that of 18-karat gold at relatively low working ratio, and the high-purity gold alloy thus hardened is not extremely softened by heat treatment performed as
15 a post-treatment, such as brazing or welding. Even a cast article which is not subjected to plastic working has a hardness comparable to that of a hardened article which has been subjected to plastic working.

This Sheet Has Been Replaced

