ABSTRACT

AN ALLOY COMPOSITION FOR THE MANUFACTURE OF JEWELLERY

A nickel-free jewellery alloy of a substantially purple hue including 78.5-83 wt% gold; 17-20.5 wt% aluminium and a nickel-free alloying component. The alloying component may be present in an amount of not more than 2 wt% and includes α-manganese and may also include one or more components elected from the group consisting of magnesium, copper, brass indium, silicon, iron, hafnium, vanadium and palladium. Silicon in an amount up to 1.6% may be added to aid in small castings.



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