

Method for Welding Dissimilar Metals

ABSTRACT

The present invention discloses method for joining titanium and stainless steel using Gas Tungsten Arc welding with V butt joint welding type. Intermediate bi-filler rods of vanadium and aluminum bronze are introduced to the weld pool between the titanium and the stainless steel, as the arc welding current is applied thereof. The vanadium filler rod is placed adjacent to the titanium and the aluminum bronze filler rod is placed adjacent to the stainless steel, and the two intermediates filler rods are placed adjacent to each other. The present invention also discloses method for joining titanium and carbon steel by means of Gas Tungsten Arc welding with V butt joint welding type.

(Fig. 2)