



ABSTRACT

A METHOD FOR BONDING A MEMBER HAVING METAL

A member having metal is placed in a gas-impermeable container in a hermetically sealed condition together with a rust-proof agent packet, and is bonded to another metal by using a filler material and without using a flux.

It is desirable that a member having metal is placed and preserved in a gas-impermeable container in a hermetically sealed condition together with a rust-proof agent packet and an organic compound having carboxyl groups or aldehyde groups and having 4 to 10 carbons, and that the member having metal is bonded to another metal by using a filler material.

The method of the present invention prevents, in an extremely simple way and at a low cost, the oxidation of the metal surface by retaining the member including metal under a reductive atmosphere in which no oxygen, moisture or corrosive substances actually exist, and in which reductive gas co-exists with the member having metal. Moreover, the method of the present invention enables easy and good bonding of the member having metal to another metal by using a filler material. Accordingly, it is unnecessary to give a flux cleaning treatment using organic halogen-based solvents after the solder bonding, the cleaning steps may be simplified, and cost reduction may be promoted.

(Figure 1)