

ABSTRACT

**METHOD OF CALIBRATING A CONSTANT VOLTAGE SUPPLY FOR AN
ULTRASONIC TRANSDUCER OF A WIRE BONDING MACHINE**

A method of calibrating a voltage for use with an ultrasonic transducer of a wire bonding machine in a constant voltage mode is provided. The method includes: (1) determining an impedance value associated with operation of the ultrasonic transducer; and (2) establishing an adjusted voltage level for use with the ultrasonic transducer in the constant voltage mode based on the determined impedance value.

Fig. 3