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(54) **Title:** METHOD OF CALIBRATING A CONSTANT VOLTAGE SUPPLY FOR AN ULTRASONIC TRANSDUCER OF A WIRE BONDING MACHINE

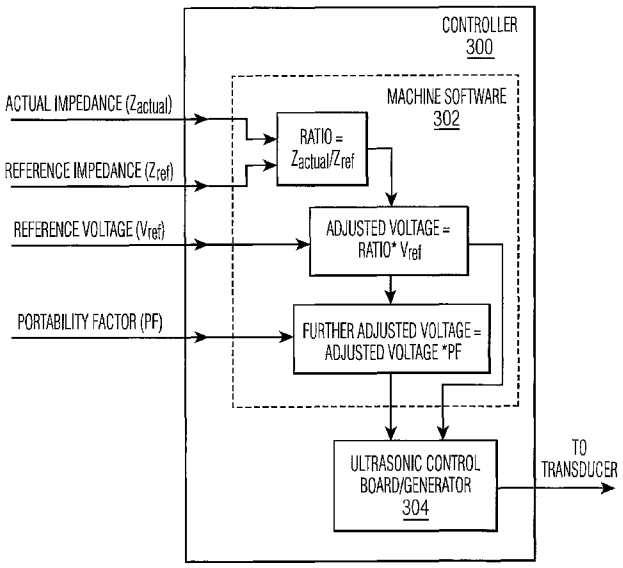


FIG. 3

(57) **Abstract:** 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.

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