Abstract

The present invention is to provide an integrated ultrasound therapy transducer. It includes a piezoelectric transducer to generate therapy ultrasound, a support to support the piezoelectric transducer, a power amplifying module to drive the piezoelectric transducer. Wherein both the power amplifying module and the piezoelectric transducer are installed within the enclosure of the therapy transducer. The advantages of the integrated ultrasound therapy transducer assembly of the present invention include minimizing ultrasound therapy equipment and to decrease its volume and weight; reducing the electromagnetic interference and radiation greatly; and realizing the consistent performances of the ultrasound therapy equipments in mass productions and making the ultrasound therapy equipments have interchangeability.

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