



Current optimizing ultrasonic control system

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Experience:

https://www.mc.ntu.edu.tw/dent/Vcard.action?q_type=-1&q_itemCode=197

Market Needs:

For now, Because of the narrow frequency bandwidth of dental ultrasonic device, the resonant frequency may not achievable when replacing the ultrasonic handpiece and variable ultrasonic instrument. As the result of unachievable resonant frequency, the output power of the ultrasonic device will not be optimized. In view of this, the options of ultrasonic instrument in dental surgery were limited.

Our Technology:

A current feedback core technology to search optimal driving frequency and power. Using Current-to-Voltage Converter (I/V Converter) and Analog-to-Digital Converter (A/D Converter), the maximum value of feedback current can be obtained by control module. Therefore, the optimal driving frequency and power of the ultrasonic device can be achieved by feedback current.

Strength:

There is lack of wide frequency bandwidth dental ultrasonic device. This dental ultrasonic control system can make single dental ultrasonic device drive various dental ultrasonic handpieces and dental ultrasonic instruments with optimal driving frequency and power.

Competing Products:

No

Intellectual Properties:

This dental ultrasonic control system can make single dental ultrasonic device drive various dental ultrasonic handpieces and dental ultrasonic instruments with optimal output.

Contact (do not need to fill out):

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