

# Codetron®



**TRADEMARK:** #1463381 - November 3, 1987

**FDA APPROVAL:** #K-863469 - February 20, 1987

**PATENT:** #4,556,064 - December 3, 1985

## **SUMMARY:**

A circuit for electrotherapy and electronic acupuncture, in which a pulse train is produced having negative pulses of a repetition rate of between 100 and 500Hz, arranged in groups having a repetition rate of between 1 and 50 Hz. A positive bias is provided so that the integral of the pulse train signal is zero. The signal is randomly switched sequentially from one skin stimulus site to another with application times which can be adjusted between about 1 and 20 seconds (or more), to reduce or prevent brain habituation. Optionally there is a rest period between applications of the signal, in which no signal is applied to the skin sites.

## **PATENT COVERS:**

### **Apparatus for applying stimulating signal to a user comprising:**

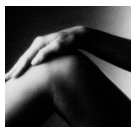
- means for providing the stimulation signal
- at least 3 channels each for applying the signal
- and means for randomly switching the signal among the channels to reduce habituation of the brain

### **Invention provides acupuncture apparatus and electro-stimulating apparatus comprising:**

- means for producing an electrical acupuncture signal/ transcutaneous nerve stimulation signal
- at least 3 channels each for applying the signal
- and means for randomly switching said signal among the channels to reduce habituation of the brain

### **Invention provides acupuncture apparatus comprising:**

- means for providing an electrical acupuncture signal
- at least 3 channels each for applying the signal
- a set of electro-conductive pads, one pad for each channel, each pad being of area at least equal to one square centimeter and including fastening means secured thereto for securing such pad firmly over an acupuncture point



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