

## The Opportunity

The **MetroHealth System** of Cleveland, Ohio has developed a new system for headache pain management.

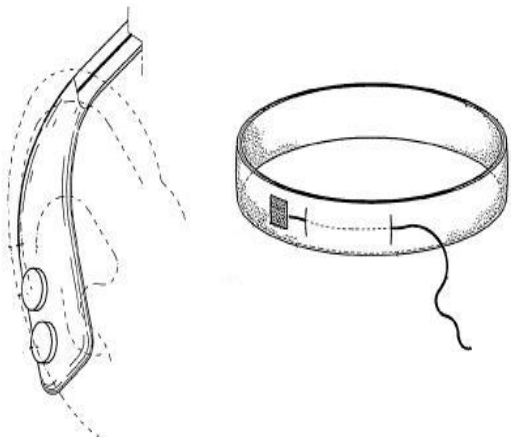
This exciting innovation is an easy-to-use device for relief and/or prevention of headache. The device consists of a vibration system (usually multiple vibratory pads) which is held in place by a headband. A controller can be attached via wires, or could be integrated into the design. The patient can then adjust the position of the vibrators, and the intensity of the vibration.

The *primary innovation* is in the *combination* of

- A multi-point variable intensity vibration system
- A headband to hold it in place
- A controller

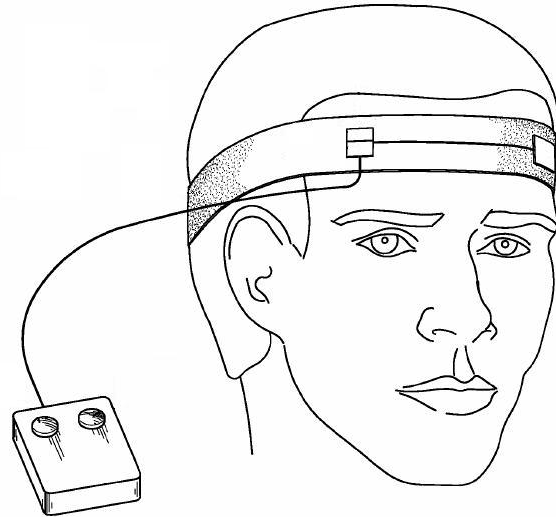
The *main benefits* of the technology are:

- It relieves headache without pharmaceuticals
- It is portable
- It is easy to use



The system is readily suited to those for whom taking medication is not an option:

- Elderly individuals
- Pregnant women
- Others for whom pain relievers are contra-indicated



## Technology

Extensive studies of patients' pain response to the application of vibration has led to the discovery that certain amplitudes and frequencies of vibration applied to appropriate locations on the head can lead to significant lessening of headache pain, and to the reduction of headache frequency. Dr. Joseph Hanna, head of the Department of Neurology at MetroHealth, is an expert in neurological disorders and pain relief. His new system utilizes a tunable vibration source coupled with strategically spaced vibration transducers. The vibration source is calibrated to provide vibrations at frequencies and amplitudes that have been shown to optimize pain relief.

## Intellectual Property

MetroHealth's system is protected by patent applications in the US and certain foreign countries.

## For More Information

The Company is seeking qualified licensees to bring its innovative new technology into commercial use in targeted application areas. For more information, contact:

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