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BURNETT(10) **Pub. No.: US 2014/0148870 A1**(43) **Pub. Date: May 29, 2014**(54) **METHODS AND DEVICES FOR
PERFORMING ELECTRICAL STIMULATION
TO TREAT VARIOUS CONDITIONS****Publication Classification**

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(2013.01)

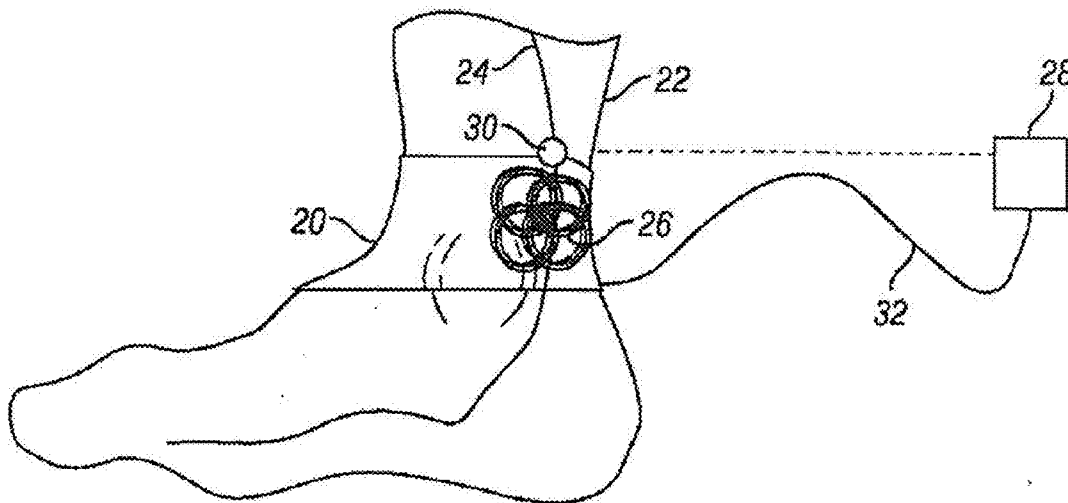
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CA (US)(21) Appl. No.: **14/085,639**(22) Filed: **Nov. 20, 2013****Related U.S. Application Data**

- (63) Continuation of application No. 13/456,016, filed on Apr. 25, 2012, which is a continuation of application No. PCT/US2010/054167, filed on Oct. 26, 2010, Continuation-in-part of application No. 12/508,529, filed on Jul. 23, 2009, which is a continuation-in-part of application No. 11/866,329, filed on Oct. 2, 2007.
- (60) Provisional application No. 61/279,883, filed on Oct. 26, 2009, provisional application No. 60/848,720, filed on Oct. 2, 2006.

ABSTRACT

In certain variations, systems and/or methods for electromagnetic induction therapy are provided. One or more ergonomic or body contoured applicators may be included. The applicators include one or more conductive coils configured to generate an electromagnetic or magnetic field focused on a target nerve, muscle or other body tissues positioned in proximity to the coil. One or more sensors may be utilized to detect stimulation and to provide feedback about the efficacy of the applied electromagnetic induction therapy. A controller may be adjustable to vary a current through a coil to adjust the magnetic field focused upon the target nerve, muscle or other body tissues based on the feedback provide by a sensor or by a patient. In certain systems or methods, pulsed magnetic fields may be intermittently applied to a target nerve, muscle or tissue without causing habituation.



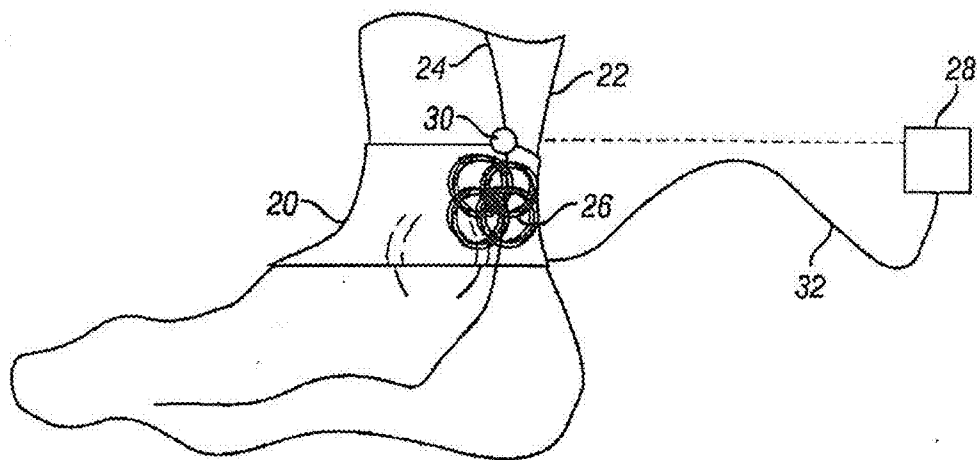


FIG. 1

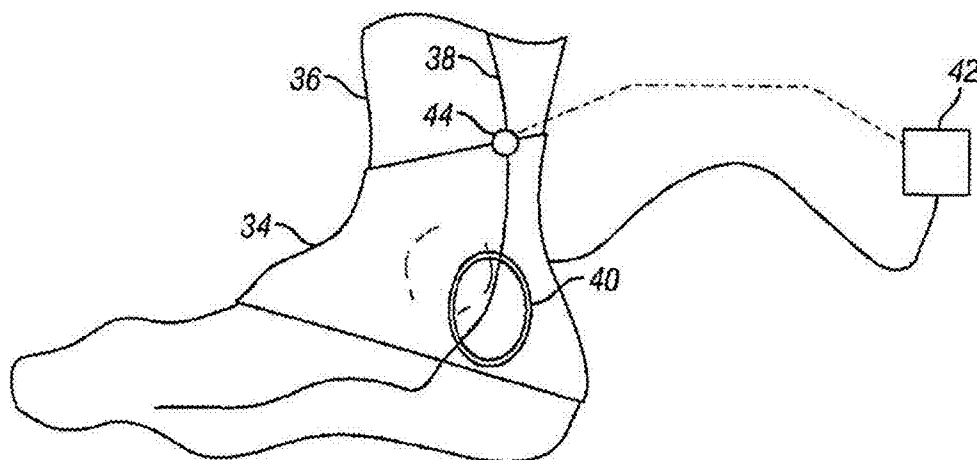


FIG. 2

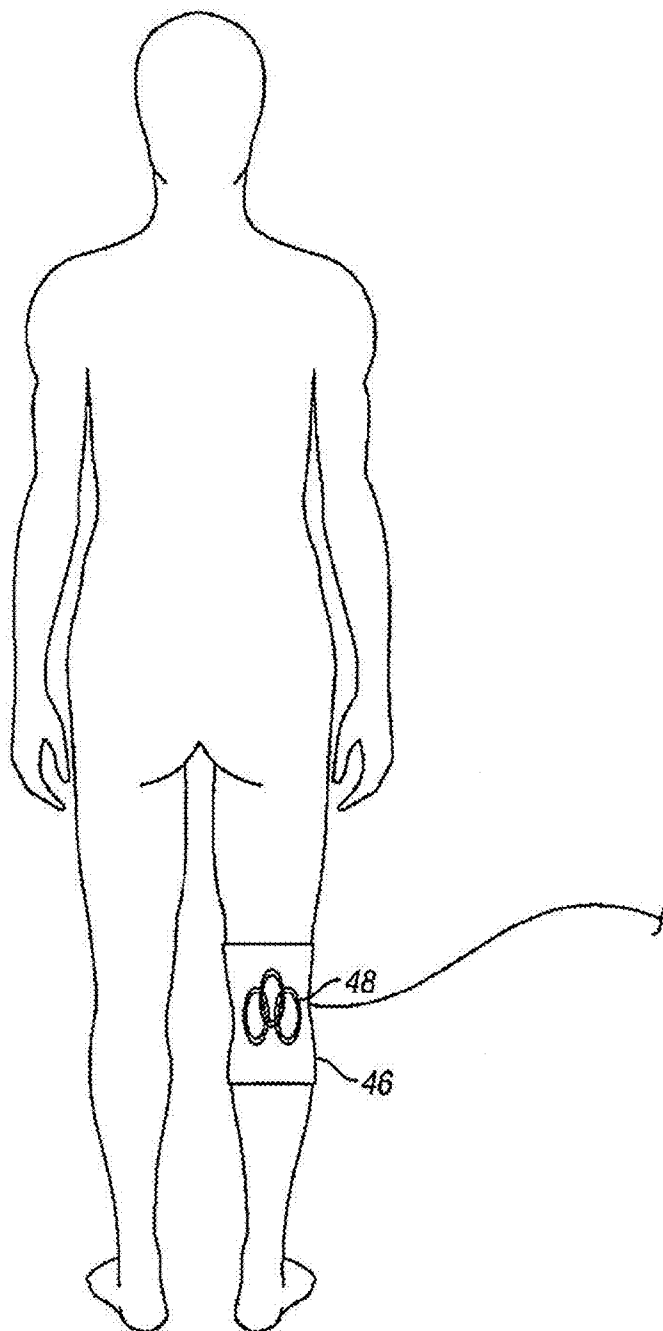


FIG. 3

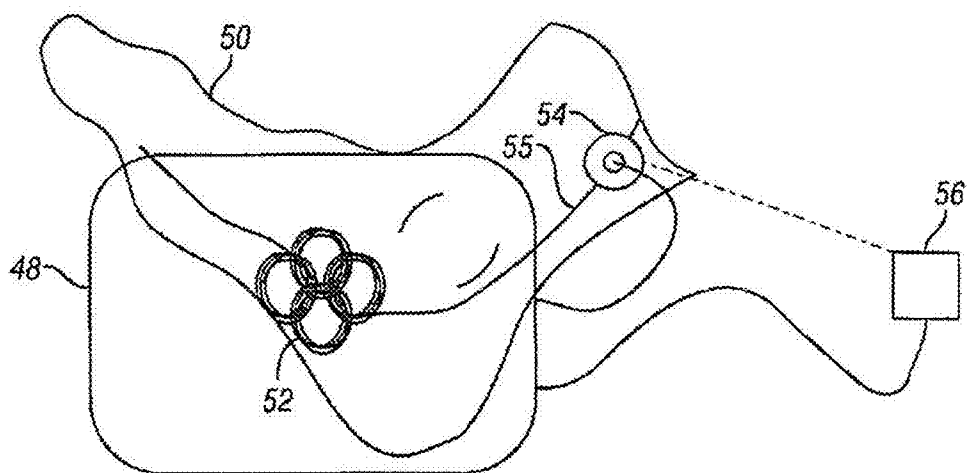


FIG. 4

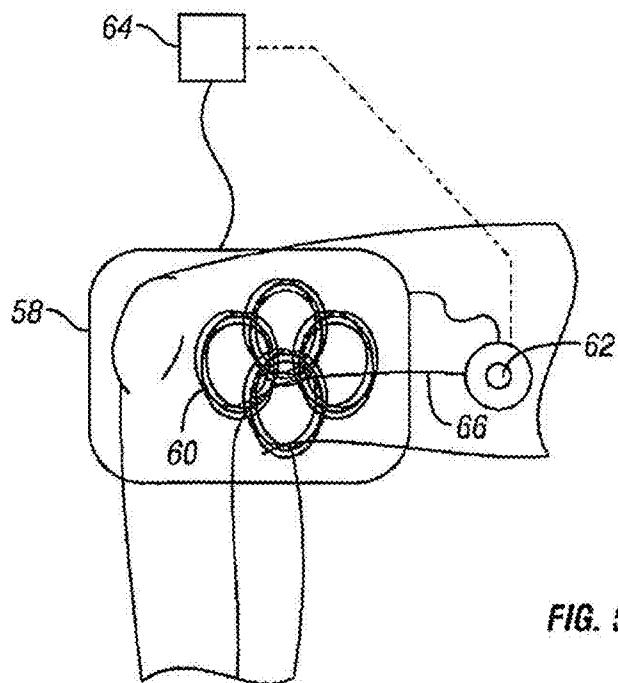


FIG. 5

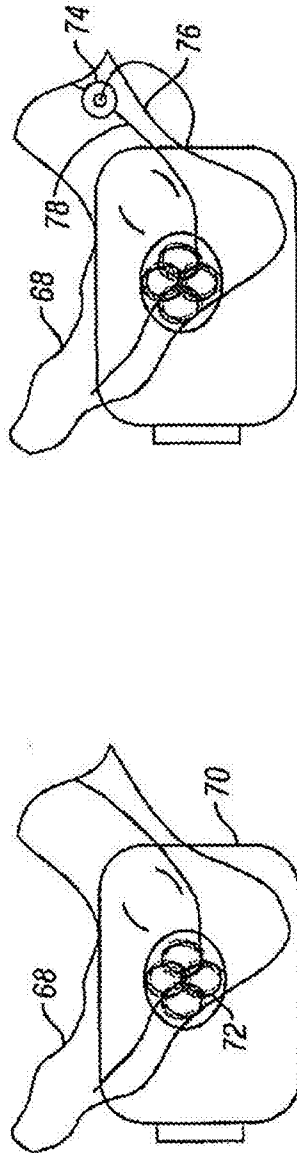


FIG. 6A

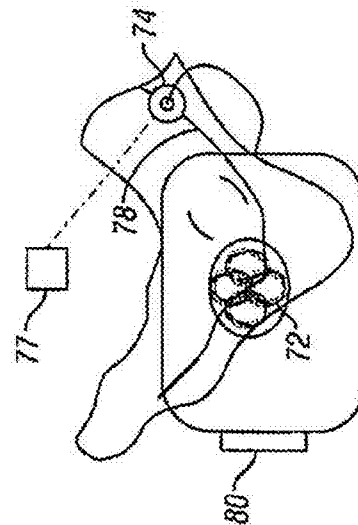


FIG. 6C

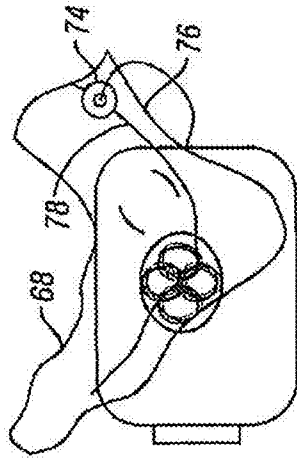


FIG. 6B

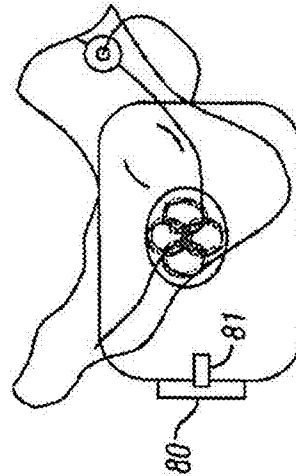


FIG. 6D

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