



US007744523B2

(12) **United States Patent**  
**Epstein**

(10) **Patent No.:** **US 7,744,523 B2**  
(45) **Date of Patent:** **Jun. 29, 2010**

(54) **DRIVE CIRCUIT FOR MAGNETIC STIMULATION**

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(\*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 391 days.

(21) Appl. No.: **11/759,537**

(22) Filed: **Jun. 7, 2007**

(65) **Prior Publication Data**

US 2008/0306326 A1 Dec. 11, 2008

(51) **Int. Cl.**  
**A61N 2/00** (2006.01)

(52) **U.S. Cl.** ..... **600/9**

(58) **Field of Classification Search** ..... 600/9-15  
See application file for complete search history.

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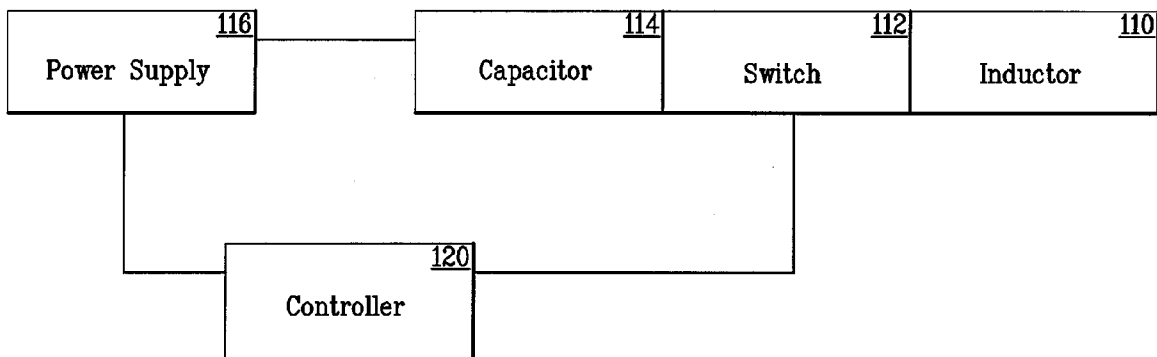
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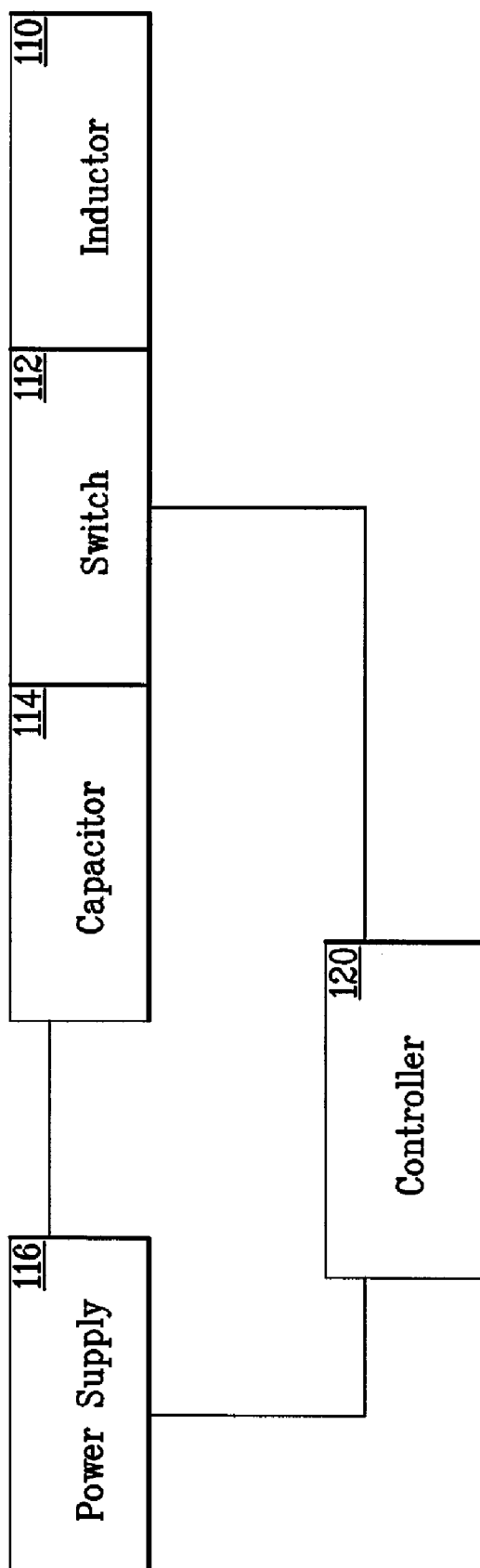
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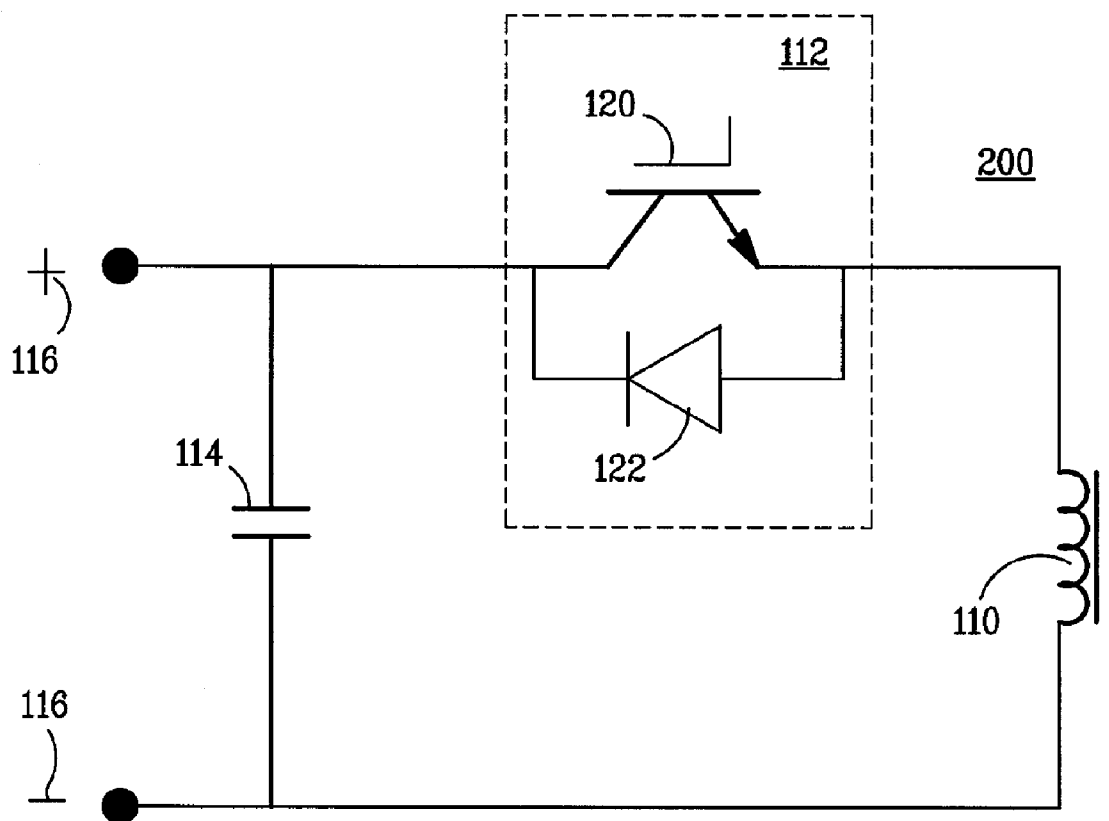
(57) **ABSTRACT**

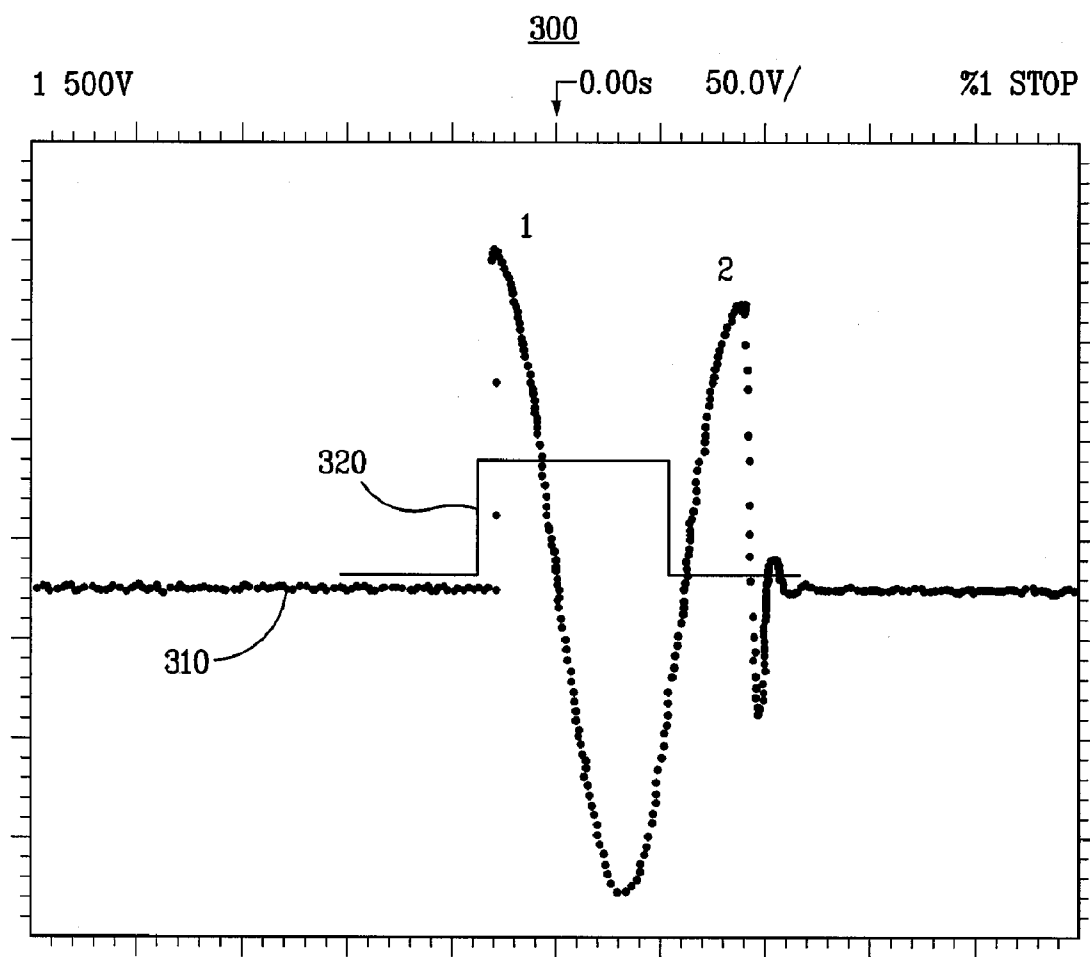
The inventive technique includes devices and methods for generating a magnetic field. One such device may include an inductor for generating a magnetic field and a power source for providing power. Such a device may also include a semiconductor switching device that operatively couples the inductor and power source, wherein the semiconductor switching device directs power from the power source to the inductor to generate the magnetic field.

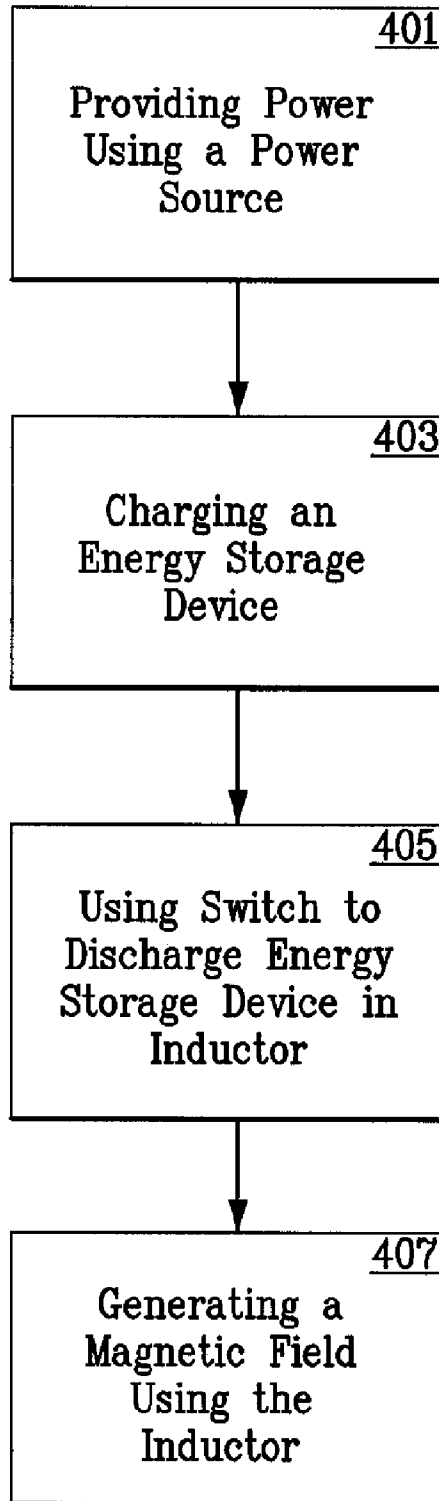
**44 Claims, 4 Drawing Sheets**



*FIG. 1*

*FIG. 2*

*FIG. 3*

*FIG. 4*

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