



US007396326B2

(12) **United States Patent**
Ghiron et al.

(10) **Patent No.:** **US 7,396,326 B2**
(45) **Date of Patent:** **Jul. 8, 2008**

(54) **FERROFLUIDIC COOLING AND
ACOUSTICAL NOISE REDUCTION IN
MAGNETIC STIMULATORS**

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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 0 days.

(21) Appl. No.: **11/130,657**

(22) Filed: **May 17, 2005**

(65) **Prior Publication Data**

US 2006/0264692 A1 Nov. 23, 2006

(51) **Int. Cl.**
A61N 1/00 (2006.01)

(52) **U.S. Cl.** **600/13**

(58) **Field of Classification Search** 600/9-15;
125/897-899

See application file for complete search history.

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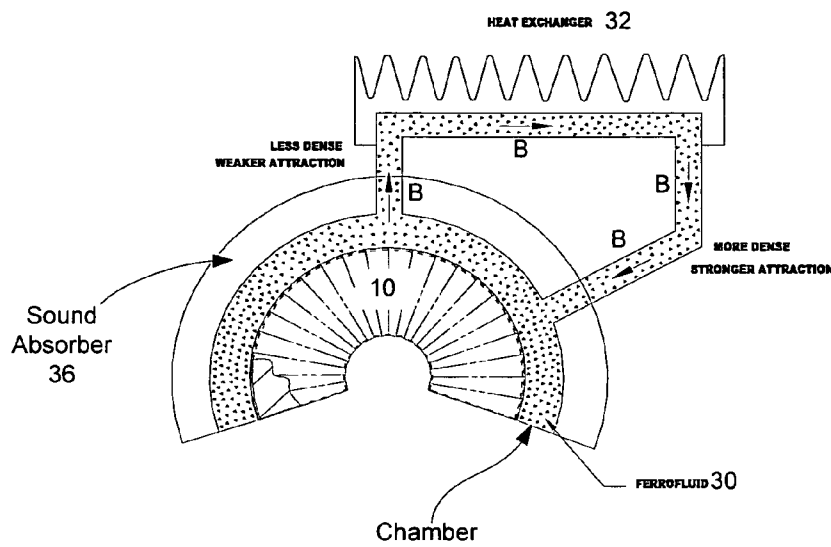
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(57) **ABSTRACT**

A ferrofluid chamber has a housing that is adapted to be coupled to a component that generates a magnetic field of sufficient strength to stimulate anatomical tissue. In addition, a ferrofluid is disposed within the housing for cooling the component.

30 Claims, 6 Drawing Sheets



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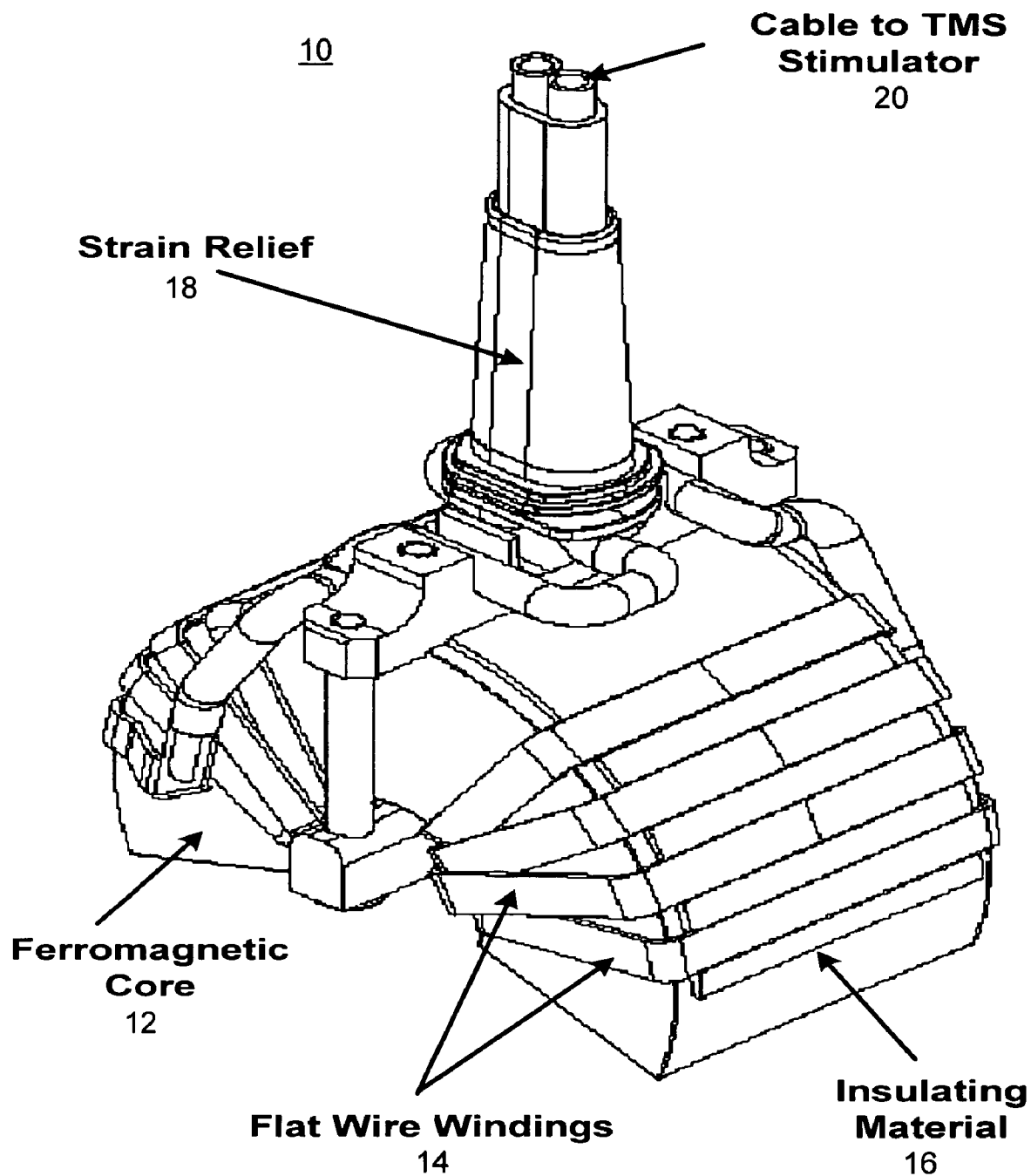
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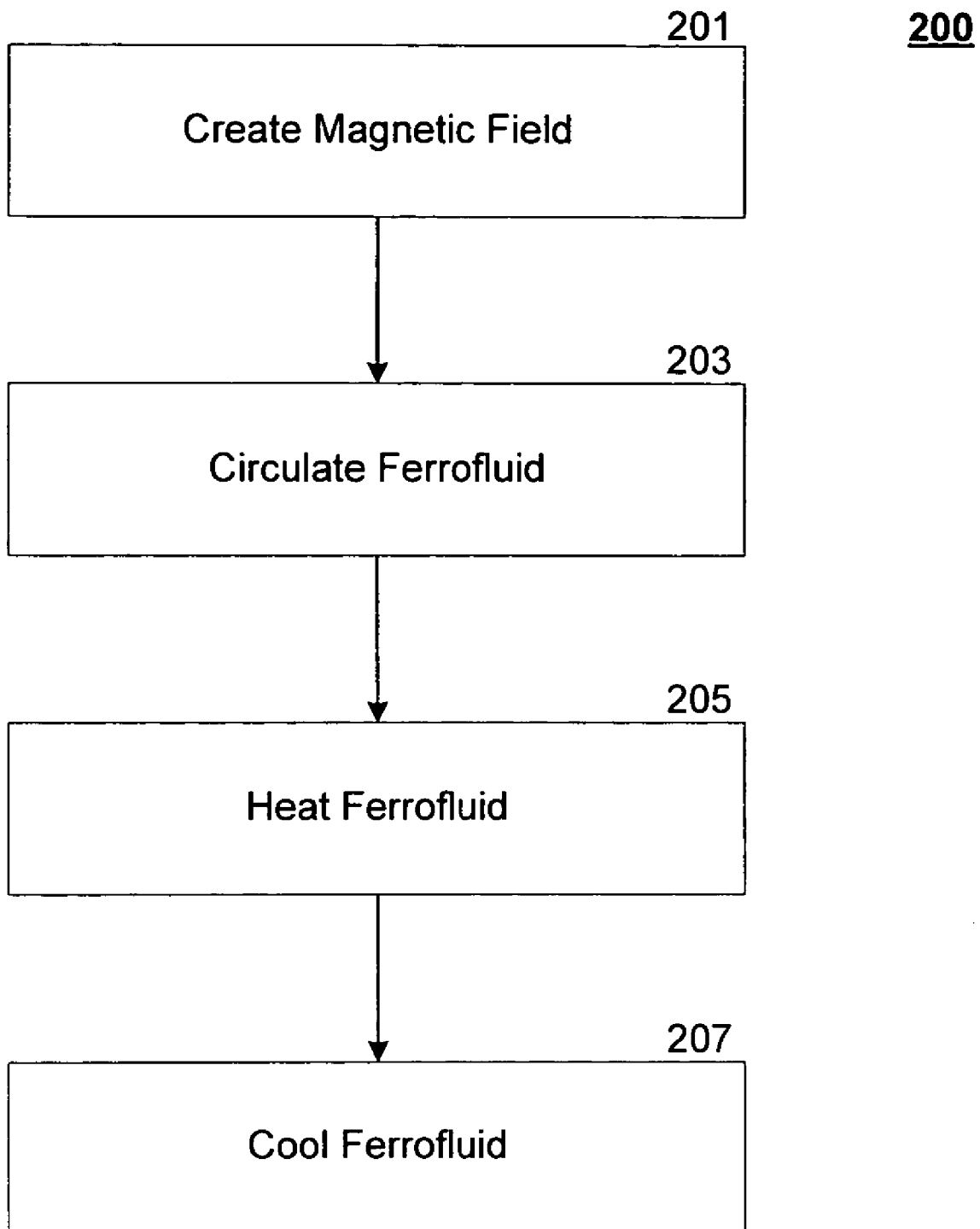
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**Figure 1**

**Fiaure 2**

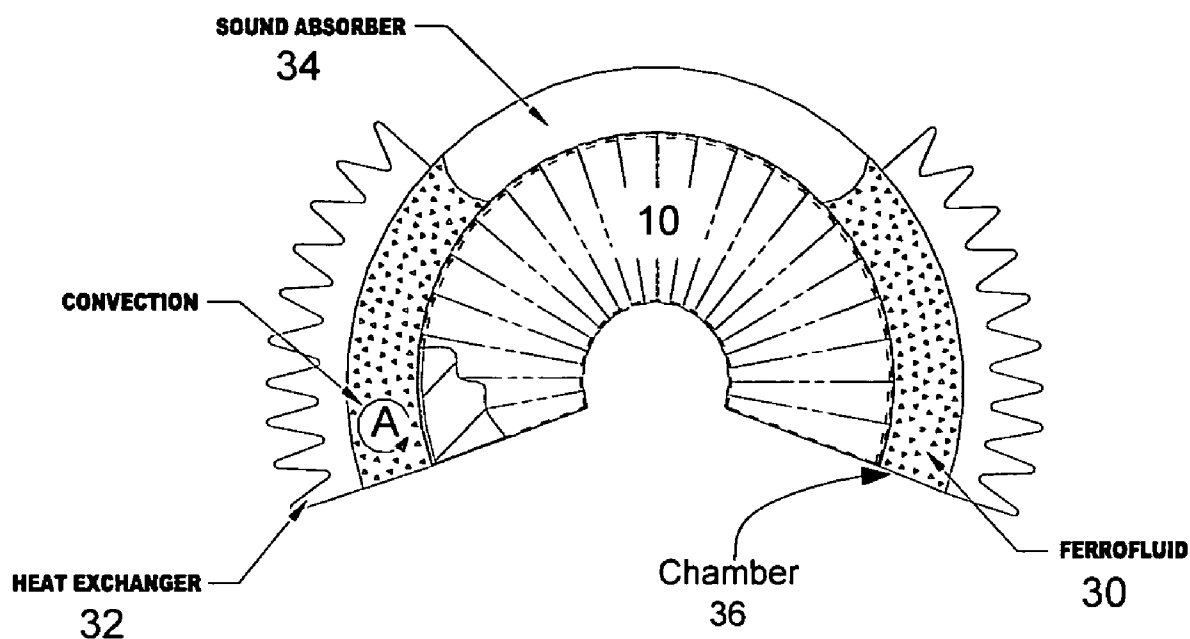


Figure 3

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