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United States Patent

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*Bence Lehman*

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*Melvinia Garg*  
Attest



US005556418A

# United States Patent [19]

[11] Patent Number: **5,556,418**

**Pappas**

[45] Date of Patent: **Sep. 17, 1996**

[54] **METHOD AND APPARATUS FOR PULSED MAGNETIC INDUCTION**

4,622,953 11/1986 Gordon ..... 600/13  
5,160,591 11/1992 Liboff et al. .... 600/13 X

[76] Inventor: **Panagiotis T. Pappas**, 13900 Panay Way, Marina Del Rey, Calif. 90292

*Primary Examiner*—George Manuel  
*Assistant Examiner*—Jeffrey R. Jastrzab  
*Attorney, Agent, or Firm*—Robert M. Sperry

[21] Appl. No.: **87,911**

[22] Filed: **Jul. 6, 1993**

[51] Int. Cl.<sup>6</sup> ..... **A61N 1/00**

[57] **ABSTRACT**

[52] U.S. Cl. .... **607/1; 607/71; 600/13**

[58] **Field of Search** ..... 607/1, 2, 71; 600/9, 600/10, 13, 14; 315/111.21, 111.41, 111.91; 361/232, 233, 229; 313/231, 61, 4

An improved method and apparatus for pulsed magnetic induction by creating a plasma, supplying energy to excite said plasma to oscillate, and applying said the resulting oscillations to a patient or biological matter.

[56] **References Cited**

### U.S. PATENT DOCUMENTS

4,369,345 1/1983 Czerlinski ..... 600/14

**17 Claims, 2 Drawing Sheets**

