



US006683779B2

(12) **United States Patent**
Ober

(10) **Patent No.:** **US 6,683,779 B2**
(45) **Date of Patent:** **Jan. 27, 2004**

(54) **PERSONAL BODY GROUNDING SYSTEM**

(75) Inventor: **A. Clinton Ober, Ventura, CA (US)**

(73) Assignee: **Earth Tether International Corporation, West Covina, CA (US)**

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 353 days.

(21) Appl. No.: **09/808,537**

(22) Filed: **Mar. 14, 2001**

(65) **Prior Publication Data**

US 2002/0027761 A1 Mar. 7, 2002

Related U.S. Application Data

(60) Provisional application No. 60/189,154, filed on Mar. 14, 2000, and provisional application No. 60/189,185, filed on Mar. 14, 2000.

(51) **Int. Cl.**⁷ **H02H 47/00**

(52) **U.S. Cl.** **361/220; 361/212**

(58) **Field of Search** 361/212, 220, 361/92

(56) **References Cited**

U.S. PATENT DOCUMENTS

1,607,140 A	11/1926	Wappler	
2,753,491 A	7/1956	Legge	317/2
3,917,979 A	11/1975	Volk, Jr.	317/18
4,373,175 A	2/1983	Mykkanen	361/220
4,415,946 A	11/1983	Pitts	361/212
4,450,498 A	5/1984	Siegal	361/212
4,596,053 A	6/1986	Cohen et al.	361/223
4,680,668 A	* 7/1987	Belkin	361/220

4,945,447 A	7/1990	Aronson	361/212
5,515,234 A	5/1996	Frazier	361/212
5,548,469 A	8/1996	Adams	361/220
5,715,536 A	* 2/1998	Banks	2/69

OTHER PUBLICATIONS

Title: Elf Electric and Magnetic Fields In the Bedplace of Children Diagnosed with Leukaemia; Author: Roger William Coghill; Date: 1996; 15 pages.

Title: Health Effects from Exposure to Power-Line Frequency Electric and Magnetic Fields; Date: May 04, 1999; 73 pages; Author: Dr. Kenneth Olden.

* cited by examiner

Primary Examiner—Stephen W. Jackson

(74) *Attorney, Agent, or Firm*—Kelly Bauersfeld Lowry & Kelley, LLP

(57) **ABSTRACT**

A personal grounding system for collecting and removing unnatural electrical charges from a human body includes a grounding pad having a layer of carbon fibers, and a conductor substantially extending across the layer in conductive contact with the carbon fibers. A ground lead is conductively coupled to the grounding pad conductor at one end thereof and conductively coupled to a grounded anchor at a second end thereof. Preferably, the grounded anchor is placed directly into the earth, although in certain applications constitutes a metal grounding component. The system may include a wall plate in conductive connection with the grounded anchor. The ground lead is removably attached to the wall plate via a connector attached thereto. The grounding pad may be configured to be a sleeping pad, seat pad, or strap or patch attachable to the human body.

20 Claims, 5 Drawing Sheets

