

US007724491B2

(12) United States Patent Ober et al.

(54) METHOD OF TREATING INFLAMMATION AND AUTOIMMUNE DISEASES

(75) Inventors: **A. Clinton Ober**, West Covina, CA

(US); James L. Oschman, Dover, NH

(US)

(73) Assignee: Earth FX, Inc., La Quinta, CA (US)

(*) Notice: Subject to any disclaimer, the term of this

patent is extended or adjusted under 35

U.S.C. 154(b) by 483 days.

(21) Appl. No.: 11/852,925

(22) Filed: Sep. 10, 2007

(65) Prior Publication Data

US 2008/0071232 A1 Mar. 20, 2008

Related U.S. Application Data

(60) Provisional application No. 60/825,639, filed on Sep. 14, 2006.

(51) **Int. Cl.** *H01H 47/00* (2006.01)

(56) References Cited

U.S. PATENT DOCUMENTS

3,781,927	Α	*	1/1974	Zakaras 5/61	6
4,321,925	Α	*	3/1982	Hoborn et al 606/3	4
4,557,271	Α		12/1985	Stoller et al.	
4,800,374	Α		1/1989	Jacobson	
5,398,149	A	*	3/1995	Weil 361/5	0

(10) Patent No.:

(45) **Date of Patent:**

US 7,724,491 B2 May 25, 2010

5,448,840 A 9/1995 Cheskin 6,683,779 B2 1/2004 Ober 7,349,194 B2 3/2008 Elliott

OTHER PUBLICATIONS

Garrood TL, Lee L, and Pitzalis C, 2006; Molecular mechanisms of cell recruitment to inflammatory sites: general and tissue-specific pathways. Rheumatology 45(3):250-260.

Springer TA, 1995; Traffic signals on endothelium for lymphocyte recirculation and leukocyte emigration; Annual Reviews of Physiology 57:827-872.

Marshall BJ and Warren Jr, 1984. Unidentified curved bacilli in the stomach patients with gastritis and peptic ulceration; Lancet 1(8390):1311-1315.

(Continued)

Primary Examiner—Stephen W Jackson (74) Attorney, Agent, or Firm—Kelly Lowry & Kelley, LLP

(57) ABSTRACT

A method to speed recovery from acute injury and/or reduce and prevent chronic inflammation in an animal or human is disclosed. The method includes providing a grounded plane, conductively coupling said animal or human to the grounded plane to conduct the earth's mobile negative surface charge of free electrons from the earth to said animal or human in order to provide the body with an abundant supply of free electrons to reduce residual immune system produced reactive oxygen specie free radicals and prevent the same from oxidizing healthy tissue and exhibiting chronic inflammation in said animal or man. Applying earth's free electrons to the human body for prevention of chronic inflammation and therapeutic reduction of inflammation is described. Further described are methods to apply and maintain earth's mobile free electron charge on an animal or human while residing in modern home or work environments or in a treatment facility.

19 Claims, 1 Drawing Sheet

