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(74) Agents: SILVIA, David, J. et al.; Edwards Angell Palmer & Dodge LLP, P.O. Box 55874, Boston, MA 02205 (US).

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(71) Applicant (for all designated States except US):
VOLTARC TECHNOLOGIES, INC. [US/US]; 400
Captain Neville Drive, Waterbury, CT 06705 (US).

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(72) Inventors; and

(75) Inventors/Applicants (for US only): BATCHOS, Dennis, L. [US/US]; 2272 Regency Woods Drive, Lisle, IL 60532 (US). REYKDAL, Patricia, E. [US/US]; 1062 W. Shoal Creek Lane, Tucson, AZ 85732 (US). SMITH, Donald, L. [US/US]; 1062 W. Shoal Creek Lane, Tucson, AZ 85732 (US). TULK, John [US/US]; 41 Bronson Road, Prospect, CT 06712 (US).

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(54) Title: LAMP FOR STIMULATING VITAMIN D PRODUCTION AND METHOD OF MAKING THE SAME

(57) Abstract: Disclosed are discharge lamps that stimulate the production of vitamin D in a person exposed thereto, and more specifically, to discharge lamps which over a predetermine exposure period stimulate a person's production of vitamin D without causing significant facultative pigmentation or melanin oxidization. Moreover, the present invention is also directed to discharge lamps that in addition to stimulating a person's production of vitamin D, emit photons that rejuvenate the collagen/elastin matrix that supports the person's skin, cartilage and bone.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US 07/19010

A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - A61N 5/06; H01J 1/62 (2008.01)

USPC - 607/94; 313/486

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC(8): A61N 5/06; H01J 1/62 (2008.01)

USPC: 607/94; 313/486

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

IPC(8): A61N 5/06; H01J 1/62 (2008.01) (text search)

USPC: 607/94, 90, 88, 1, 313/486, 485, 484, 483, 491; 427/74, 58 (text search)

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

PubWEST(USPT,PGPB,EPAB,JPAB); Internet search via Google Web and Google Scholar search engines. Search terms: indolequinone dihydroxyindole carboxylic acid melanin polyacetylene polyaniline polypyrrole indol-equinone di-hydroxy-indole (carboxylic adj acid) melanin poly-acetylene poly-aniline poly-pyrrole PUVA psoralen psorale

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6,447,537 B1 (HARTMAN) 10 September 2002 (10.10.2002) abstract; col. 1 ln. 55 to col. 2 ln. 14; col. 4 ln. 53-56, col. 13 ln. 21-34; col. 10 ln. 20-31; col. 9 ln. 62 to col. 10 ln. 5; Fig.1, Fig. 7D	1-3
A	US 4,298,005 A (MUTZHAS) 03 November 1981 (02.11.1981) col. 1 ln. 4 to col. 8 ln. 15, Fig. 1-5	1-3
A	US 2003/0116723 A1 (YOSHIDA) 26 June 2003 (26.06.2003) para. [0001] through [0056], Fig. 1-5	1-3
A	US 2005/0177208 A1 (IRWIN) 11 August 2005 (11.08.2005) para. [0001] through [0200], Fig. 1-38	1-3

Further documents are listed in the continuation of Box C.

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Authorized officer:

Lee W. Young

PCT Helpdesk: 571-272-4300
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