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(71) Applicant (for all designated States except US): **WESTERN HOLDINGS, LLC.** [US/US]; 1000 East William Street, Suite 204, Carson City, NV 89701 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **FRIEDLANDER, Mitchell** [US/US]; 5742 West Harold Gatty Drive, Salt Lake City, UT 84116 (US). **CHEVREAU, Nathalie** [US/US]; 2151 East Logan Avenue, Salt Lake City, UT 84108 (US).

(74) Agents: **CATAXINOS, Edgar, R.** et al.; TRASKBRITT, 230 South 500 East, Suite 300, Salt Lake City, UT 84110-2550 (US).

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(54) Title: SKIN PROTECTANT COMPOSITIONS

(57) Abstract: A topical composition for the protection of skin from damage caused by ultraviolet radiation. The composition includes a direct antioxidant and a phase 2 enzyme inducer (indirect antioxidant) in cosmetic and dermatopharmaceutical compositions that protects and prevents skin damage and aging caused by UV radiation, in a particular embodiment, the composition includes a broccoli extract in combination with a composition including Hibiscus flower extract, Ferula Assa Foetida root extract, pear fruit extract, and green tea leaf extract, which exhibit a synergistic effect in protecting the skin from the adverse effects of ultraviolet radiation. In another embodiment, the composition further includes Vitamin C and Vitamin E. The antioxidant compositions can be incorporated into cosmetics, pharmaceutical compositions, sunscreen products, moisturizing lotions, skin toners, and other skin care products.



WO 2009/155456 A3

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2009/047852**A. CLASSIFICATION OF SUBJECT MATTER***A61K 8/97(2006.01)i, A61K 8/67(2006.01)i, A61Q 17/04(2006.01)i, A61K 8/06(2006.01)i*

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 A61K, A61Q

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

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

Pubmed, eKOMPASS(KIPO internal), Delphion

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|-----------|--|---|
| Y A | TALALAY, P. et al. Proc. Natl. Acad. Sci. USA. (2007), 104(44), 17500-17505 , Epublished on 23 October 2007 See abstract | 1,2,4-8,10-15,17 ,18,20 3,9,16,19 |
| Y A | US 2008-102045 A1 (SHIM, E. K.) 1 May 2008 See claims 1, 3-6, paragraph [0022] | 1,2,4-8,10-15,17 ,18,20 3,9,16,19 |



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Korean Intellectual Property Office
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Authorized officer

LEE, Dong Wook

Telephone No. 82-42-481-8163



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US 2008-0102045 A1

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