

Title (en)

COMPOSITION WITH HIGH EFFICIENCY SKIN PROTECTION FROM DAMAGING EFFECTS OF ULTRAVIOLET LIGHT

Title (de)

HOCHWIRKSAME ZUBEREITUNG ZUM SCHUTZ DER HAUT VOR SCHÄDIGENDEN EINFLÜSSEN VON UV-STRAHLEN

Title (fr)

COMPOSITION HAUTEMENT EFFICACE POUR PROTEGER LA PEAU CONTRE LES EFFETS NUISIBLES DU RAYONNEMENT ULTRAVIOLET

Publication

EP 1047392 A4 20041006 (EN)

Application

EP 98964275 A 19981222

Priority

- US 9827433 W 19981222
- US 99823897 A 19971224
- US 11381598 A 19980710

Abstract (en)

[origin: WO9933439A1] A topical antioxidant composition for the protection of skin from damage caused by ultraviolet radiation. The composition includes a first component (such as beta glucan or grape seed extract) that increases cellular viability of epidermal cells, and a second component that decreases the production of inflammatory mediators, such as prostaglandins, in those cells. In a particular embodiment, the composition includes beta glucan in combination with panthenol, grape seed extract, vitamin C and superoxide dismutase, which exhibit a synergistic effect in protecting the skin from the adverse effects of ultraviolet radiation. In another embodiment, the composition further includes Vitamin A and Vitamin E. In a further embodiment, the composition includes a combination of one or more antioxidants and sunscreen agents in an emulsion, such as water-in-oil (W/O) emulsion, which provides superior protection of the skin against the harmful effects of ultraviolet radiation. The antioxidant compositions are incorporated into sunscreen products, soap, moisturizing lotions, skin toners, and other skin care products.

IPC 1-7

A61K 7/42; A61K 7/44

IPC 8 full level

A61K 8/00 (2006.01); **A61K 8/04** (2006.01); **A61K 8/20** (2006.01); **A61K 8/29** (2006.01); **A61K 8/31** (2006.01); **A61K 8/34** (2006.01); **A61K 8/35** (2006.01); **A61K 8/36** (2006.01); **A61K 8/37** (2006.01); **A61K 8/41** (2006.01); **A61K 8/42** (2006.01); **A61K 8/66** (2006.01); **A61K 8/67** (2006.01); **A61K 8/72** (2006.01); **A61K 8/73** (2006.01); **A61K 8/89** (2006.01); **A61K 8/891** (2006.01); **A61K 8/96** (2006.01); **A61K 8/97** (2006.01); **A61Q 17/04** (2006.01); **A61Q 19/00** (2006.01)

CPC (source: EP US)

A61K 8/42 (2013.01 - EP); **A61K 8/66** (2013.01 - EP); **A61K 8/676** (2013.01 - EP US); **A61K 8/73** (2013.01 - EP); **A61K 8/9789** (2017.07 - EP US); **A61P 17/16** (2017.12 - EP); **A61P 17/18** (2017.12 - EP); **A61P 39/00** (2017.12 - EP); **A61P 39/06** (2017.12 - EP); **A61P 43/00** (2017.12 - EP); **A61Q 17/04** (2013.01 - EP); **A61K 2800/522** (2013.01 - EP)

Citation (search report)

- [Y] WO 9739632 A1 19971030 - HENKEL CORP [US], et al
- [Y] US 5279817 A 19940118 - FRANCO RICARDO [US]
- [Y] US 5158772 A 19921027 - DAVIS WALTER B [US]
- [Y] GB 2286530 A 19950823 - CIBA GEIGY AG [CH]
- [Y] WO 9628476 A1 19960919 - NORVET RESEARCH PTY LTD [AU], et al
- See references of WO 9933439A1

Cited by

WO0211744A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

WO 9933439 A1 19990708; AU 1944599 A 19990719; CA 2318345 A1 19990708; CA 2318345 C 20110607; EP 1047392 A1 20001102; EP 1047392 A4 20041006; JP 2001527032 A 20011225; JP 2008088188 A 20080417; JP 4150501 B2 20080917

DOCDB simple family (application)

US 9827433 W 19981222; AU 1944599 A 19981222; CA 2318345 A 19981222; EP 98964275 A 19981222; JP 2000526199 A 19981222; JP 2007332328 A 20071225