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For two-letter codes and other abbreviations, refer to the "Guid-  
ance Notes on Codes and Abbreviations" appearing at the begin-  
ning of each regular issue of the PCT Gazette.

(54) Title: NON-IRRITATING COMPOSITIONS

(57) Abstract: The present invention provides a base composition that allows for the formulation of non-irritating cosmetic and/or dermatological compositions. The base composition includes one or more of electrolyte, buffer, mild preservative, lubricant, or any combinations thereof. It is preferred that one or more of the above components are eye-safe and/or eye-compatible. The present invention also provides photoprotective cosmetic and/or dermatological compositions that include the base composition and one or more sunscreen active components and are non-irritating to mammalian eyes.



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**INTERNATIONAL SEARCH REPORT**

International application No.

PCT/US06/01524

**A. CLASSIFICATION OF SUBJECT MATTER**  
 IPC: **A61K 8/00( 2006.01),8/18( 2006.01),8/49( 2006.01),8/72( 2006.01),33/14( 2006.01)**  
  
 USPC: **424/59,60,70.1,70.9,70.11,677,679,680,681**  
 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)  
 U.S. : 424/59,60,70.1,70.9,70.11,677,679,680,681

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)  
 CAS,STN,EAST

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X --- Y	US 6,068,847 A (ALELES et al) 30 May 2000 (30.05.2000), column 7, lines 31-35, and Examples 1-11.	1-4, 7, 8, 11, 15, 16, 19, 21, 29, 35, 47 ----- 5, 6, 9, 10, 12-14, 17, 18, 20, 22-28, 30-34, 36-46, 48, 49
X --- Y	US 5,874,576 A (HUBER) 23 February 1999 (23.02.1999), Examples 12-14.	1-4, 7, 11, 12, 15, 16, 19, 21, 29, 35, 36, 43- 47 ----- 5, 6, 8-10, 13, 14, 17, 18, 20, 22-28, 30-34, 37-42, 48, 49

Further documents are listed in the continuation of Box C.  See patent family annex.

* Special categories of cited documents:	"T"
"A" document defining the general state of the art which is not considered to be of particular relevance	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E" earlier application or patent published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search: **16 January 2007 (16.01.2007)**  
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Name and mailing address of the ISA/US: **Mail Stop PCT, Attn: ISA/US, Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450**  
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# INTERNATIONAL SEARCH REPORT

International application No.

PCT/US06/01524

## Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1.  Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:  
  
    \* \*
2.  Claims Nos.:  
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3.  Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:  
Please See Continuation Sheet

1.  As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
  2.  As all searchable claims could be searched without effort justifying additional fees, this Authority did not invite payment of any additional fees.
  3.  As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
  4.  No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
- Remark on Protest**
- The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
  - The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
  - No protest accompanied the payment of additional search fees.

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/US06/01524

This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1. In order for all inventions to be examined, the appropriate additional examination fees must be paid.

Group I, claim(s) 1-34, drawn to a base composition comprising one or more of electrode, buffer, mild preservative, lubricant and any combinations thereof.

Group II, claim(s) 35-49, drawn to a photoprotective cosmetic composition comprising one or more of electrolyte, buffer, mild preservative, lubricant and any combinations thereof, and one or more sunscreen agents.

The International Searching Authority considers that the international application does not comply with the requirements of unity of invention (Rules 13.1, 13.2 and 13.3) for the reasons indicated below:

The inventions listed as Groups I and II do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons: PCT Rule 13.2 allows for the invention of one product, one process of making said product and one process of using said product. The instant claims contain two composition claims that lack a special technical feature in that the composition of group I can be used for purposes other than for photoprotective purposes. However, the composition of group II is designed for photoprotective purposes. Therefore, the two compositions have materially different designs and effect and are lacking a special technical feature.