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Declarations under Rule 4.17:

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for all designations
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)
- of inventorship (Rule 4.17(iv)) for US only

Published:

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

(54) Title: HAIR AND SKIN CARE COMPOSITIONS CONTAINING SILOXANE-BASED POLYAMIDE COPOLYMERS

(57) Abstract: Hair and skin care compositions containing siloxane-based polyamides are disclosed, 5 some of which utilize a base composition comprising a silicone fluid, a silicone immiscible substance, and a siloxane-based polyamide. The siloxane-based polyamide functions as a compatibilizing agent, film forming agent and durability enhancer in these hair and skin care compositions. A method of enhancing the fragrance longevity of fragrance containing skin care compositions after application is also disclosed.



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INTERNATIONAL SEARCH REPORT

Internationa Application No

PCT/US 02/24933

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A61K7/06 A61K7/48

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 7 A61K C08L C08G

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 practical, search terms used)

WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 051 216 A (BARR ET AL) 18 April 2000 (2000-04-18) cited in the application column 18, line 30 column 12, line 60 column 13, line 10 - line 18 column 13, line 62 - line 63 column 13, line 4 - line 9 column 14, line 31 - line 41 column 14, line 54 column 17, line 46 column 18, line 50 - line 62 column 18, line 33 - line 35 column 18, line 50 - line 58 column 18, line 63 - line 65; claims 1,5 --- -/--	1-12, 18-21



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

° Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"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)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" 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

"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

"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.

"&" document member of the same patent family

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INTERNATIONAL SEARCH REPORT

Internat Application No

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 97 36573 A (COLGATE-PALMOLIVE) 9 October 1997 (1997-10-09) page 6, line 3 - line 6 page 1 page 6, line 17 - line 20 page 6, line 24 - line 27 page 12, line 26 -page 13, line 16 page 20 -page 26; claim 1 ----	1-12, 18-21
X	US 5 981 680 A (PETROFF ET AL) 9 November 1999 (1999-11-09) cited in the application column 13, line 65 -column 14, line 4	1-12
Y	column 1, line 30 - line 35 column 4, line 5 - line 9 ----	13-17
Y	US 6 056 945 A (CAUWET-MARTIN ET AL) 2 May 2000 (2000-05-02) claims 1,11 ----	13-17
A	US 6 083 901 A (PERRY ET AL) 4 July 2000 (2000-07-04) claim 1 -----	22

INTERNATIONAL SEARCH REPORT

Inte al application No.
PCT/US 02/24933**Box I Observations where certain claims were found unsearchable (Continuation of item 1 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 II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional 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 an additional fee, this Authority did not invite payment of any additional fee.
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.

☒ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. Claims: 1-12

base composition comprising A) a silicone fluid, B) a silicone immiscible organic substance and C) a siloxane based polyamide

2. Claims: 13-17,18-19,20-21

Subject 2: Hair care composition comprising a) the siloxane based polyamide of claim 1, b) an organic solvent or a silicone fluid, c) a hair care agent selected from hair styling polymers or hair conditioning agents and optionally d) a silicone polyol

Subject 3 (has been incorporated in subject 2, see reasoning) Skin care composition comprising the base composition of claim 1, b') a hydrocarbon wax and c') a pigment.

Subject 4 (idem) Emulsions comprising an oil phase containing the base composition of claim 1

3. Claim : 22

A method for enhancing the fragrance longevity of a personal care composition comprising I) combining a) a fragrance, b) an organic solvent or silicone fluid and c) a siloxane polyamide of claim 1 with II) a carrier and III) applying the formulation

INTERNATIONAL SEARCH REPORT

Information on patent family members

Internat Application No

PCT/US 02/24933

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