

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
2 July 2009 (02.07.2009)

PCT

(10) International Publication Number
WO 2009/080667 A3

(51) International Patent Classification:

A61K 8/19 (2006.01) A61Q 5/06 (2006.01)
A61K 8/41 (2006.01) A61Q 5/08 (2006.01)
A61K 8/44 (2006.01) A61Q 5/10 (2006.01)
A61K 8/49 (2006.01) A61K 8/36 (2006.01)

(21) International Application Number:

PCT/EP2008/067785

(22) International Filing Date:

17 December 2008 (17.12.2008)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

0760127 20 December 2007 (20.12.2007) FR
61/006,535 18 January 2008 (18.01.2008) US

(71) Applicant (for all designated States except US): L'OREAL [FR/FR]; 14, rue Royale, F-75008 Paris (FR).

(72) Inventors; and

(75) Inventors/Applicants (for US only): LEGRAND, Frédéric [JP/JP]; 211 Connecticut street, NJ, 07090 Westfield (JP). ASCIONE, Jean-Marc [FR/FR]; 84, rue des Tournelles, F-75003 Paris (FR).

(74) Agent: PREVEL, Estelle; L'Oréal, River Plaza - DIPI, 25-29 Quai Aulagnier, F-92665 Asnières-sur-Seine (FR).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM,

AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report (Art. 21(3))
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))

(88) Date of publication of the international search report:
29 December 2010

(54) Title: COMPOSITION COMPRISING AN ALKANOLAMINE, A BASIC AMINO ACID AND A SUITABLY SELECTED ADDITIONAL ALKALINE AGENT

(57) Abstract: The present invention relates to a composition for treating keratin fibres, and in particular human keratin fibres such as the hair, comprising, in a cosmetically acceptable medium, one or more alkanolamines, one or more basic amino acids and one or more additional alkaline agents chosen from aqueous ammonia; ammonium salts of acids whose pKa at 25°C is greater than 4; alkali metal or alkaline-earth metal hydroxides, carbonates, carbamates and hydrogen carbonates. The present invention also relates to processes for bleaching and/or dyeing keratin fibres, and also to multi-compartment devices or 'kits' for performing these processes.



WO 2009/080667 A3

INTERNATIONAL SEARCH REPORT

International application No
PCT/EP2008/067785

A. CLASSIFICATION OF SUBJECT MATTER					
INV.	A61K8/19	A61K8/41	A61K8/44	A61K8/49	A61Q5/06
	A61Q5/08	A61Q5/10			

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)
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 practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>DATABASE WPI Week 200470 Thomson Scientific, London, GB; AN 2004-711531 XP002491445 -& JP 2004 262886 A (KANEBO LTD) 24 September 2004 (2004-09-24) abstract paragraphs [0012], [0016]</p>	1-15
X	<p>DE 10 2005 059647 A1 (HENKEL KGAA [DE]) 14 June 2007 (2007-06-14) paragraphs [0009] - [0011], [0016], [0017], [0021], [0025], [0029], [0030], [0056] - [0083], [0140]</p> <p align="center">----- -/--</p>	1-6,9-15

Further documents are listed in the continuation of Box C.

See patent family 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

Date of the actual completion of the international search 17 August 2010	Date of mailing of the international search report 15/11/2010
Name and mailing address of the ISA/ European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Fax: (+31-70) 340-3016	Authorized officer Simon, Frédéric

INTERNATIONAL SEARCH REPORT

International application No
PCT/EP2008/067785

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 97/04739 A (HENKEL KGAA [DE]; HOFFKES HORST [DE]; SCHRADER DIETER [DE]; GOUTSIS K) 13 February 1997 (1997-02-13) page 1 - page 6 page 11 - page 12 -----	1-6,9-15

INTERNATIONAL SEARCH REPORT

International application No.
PCT/EP2008/067785

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:

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 fees, this Authority did not invite payment of 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.:
1-6, 9-15(all partially)

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.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

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

1. claims: 1-6, 9-15(all partially)

Cosmetic composition for treating keratin fibres, comprising, in a cosmetically acceptable medium:

- one or more alkanolamines ,
- one or more basic amino acids, and
- aqueous ammonia;

the alkanolamines / basic amino acids mole ratio being less than or equal to 10;
corresponding processes and multi-compartments device.

2. claims: 7, 8(completely); 1-6, 9-15(partially)

cosmetic composition for treating keratin fibres, comprising, in a cosmetically acceptable medium:

- one or more alkanolamines ,
- one or more basic amino acids, and
- one or more additional alkaline agents chosen from ammonium salts of acids whose pKa at 25°C is greater than 4;

the alkanolamines / basic amino acids mole ratio being less than or equal to 10; corresponding processes and multi-compartment device.

3. claims: 1-6, 9-15(all partially)

Cosmetic composition for treating keratin fibres, comprising, in a cosmetically acceptable medium:

- one or more alkanolamines,
- one or more basic amino acids, and
- one or more additional alkaline agents chosen alkali metal or alkaline-earth metal hydroxides, carbonates, carbamates and hydrogen carbonates;

the alkanolamines/basic amino acids mole ratio being less than or equal to 10;
corresponding processes and multi-compartment device.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/EP2008/067785

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
JP 2004262886 A	24-09-2004	JP 4170117 B2	22-10-2008
DE 102005059647 A1	14-06-2007	EP 1962776 A1	03-09-2008
		WO 2007068307 A1	21-06-2007
WO 9704739 A	13-02-1997	AT 225160 T	15-10-2002
		DE 19527121 A1	30-01-1997
		EP 0840593 A1	13-05-1998
		ES 2183005 T3	16-03-2003