



(51) International Patent Classification:

A61K 8/19 (2006.01) *A61K 8/49* (2006.01)
A61K 8/27 (2006.01) *A61Q 5/10* (2006.01)
A61K 8/365 (2006.01) *A61K 8/34* (2006.01)
A61K 8/368 (2006.01) *A61K 8/29* (2006.01)

(21) International Application Number:

PCT/EP2012/062102

(22) International Filing Date:

22 June 2012 (22.06.2012)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

1155523	23 June 2011 (23.06.2011)	FR
1155524	23 June 2011 (23.06.2011)	FR
61/539,107	26 September 2011 (26.09.2011)	US
61/539,110	26 September 2011 (26.09.2011)	US

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(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, CL, 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, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, 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, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, 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:

10 April 2014

(54) Title: HAIR DYEING PROCESS USING AT LEAST ONE ORTHO-DIPHENOL, A MANGANESE OR ZINC SALT, HYDROGEN PEROXIDE, (BI)CARBONATE, AN ALKALINE AGENT AND A TITANIUM OR SCANDIUM SALT

(57) Abstract: The present invention relates to a process for dyeing keratin fibres, in particular human keratin fibres such as the hair, in which the said fibres are treated with one or more cosmetic compositions containing, taken together or separately in the said composition(s), the following ingredients : a) one or more ortho-diphenol derivatives, b) one or more manganese salts or one or more zinc salts, c) hydrogen peroxide or one or more systems that generate hydrogen peroxide, d) one or more (bi)carbonates or one or more systems that generate (bi)carbonate(s), and e) one or more basifying agents other than the (bi)carbonate(s), and f) one or more salts chosen from titanium salts and scandium salts; it being understood that the pH of at least one of the compositions comprising at least one of the ingredients a), b), c), d), e) and/or f) is alkaline, i.e. greater than 7, and that the composition comprising f) the salt(s) chosen from titanium salts and scandium salts is applied to the keratin fibres as the last step of the dyeing process.



INTERNATIONAL SEARCH REPORT

International application No
PCT/EP2012/062102

A. CLASSIFICATION OF SUBJECT MATTER

INV. A61K8/19 A61K8/29 A61K8/365 A61Q5/10 A61K8/368
A61K8/49 A61K8/27 A61K8/34

ADD.

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 practicable, search terms used)

EPO-Internal, CHEM ABS Data, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	EP 2 196 182 A2 (OREAL [FR]) 16 June 2010 (2010-06-16) paragraphs [0004], [0009] claims; examples -----	1-18
Y	FR 2 951 374 A1 (OREAL [FR]) 22 April 2011 (2011-04-22) page 1, line 35 - page 2, line 3 page 12, line 22 - page 14, line 23 page 16, lines 28-34 claims 1, 4, 5, 7, 9, 14, 15, 17, 18; examples ----- -/-	1-18



Further documents are listed in the continuation of Box C.



See patent family annex.

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Date of the actual completion of the international search

10 February 2014

Date of mailing of the international search report

18/02/2014

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INTERNATIONAL SEARCH REPORT

International application No
PCT/EP2012/062102

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	DWECK A C: "Natural ingredients for colouring and styling", INTERNATIONAL JOURNAL OF COSMETIC SCIENCE, KLUWER ACADEMIC PUBLISHERS, DORDRECHT, NL, vol. 24, 1 January 2002 (2002-01-01), pages 287-302, XP002500910, ISSN: 0142-5463, DOI: 10.1046/J.1467-2494.2002.00148.X page 297, bridging paragraph between the two columns page 297, right-hand column, paragraph 2 -----	1-18
X	WO 2011/000892 A2 (UNIV LEEDS [GB]; BLACKBURN RICHARD SIMON [GB]; MCGOWAN PATRICK COLUMBA) 6 January 2011 (2011-01-06)	18
Y	paragraphs [0002], [0009], [0010], [0013], [0017], [0025], [0029], [0030], [0034] claims 1, 2, 8, 10, 15, 24, 28; examples 4, 5 -----	1-17

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/EP2012/062102

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