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MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ,
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SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM,
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19 March 2015

(54) Title: COMPOSITIONS OF DELIVERY SYSTEMS FOR PERSONAL CARE PRODUCTS

(57) Abstract: The disclosure relates to compositions comprising at least one of Active Compounds and Botanical Powders and a Delivery System, wherein at least a portion of the Botanical Powders are encapsulated in the Delivery System. Furthermore the present disclosure relates to a method for preparing compositions with reduced sedimentation of the Botanical Powders, and a Delivery System, wherein at least a portion of the Botanical Powders are encapsulated in the Delivery System. Furthermore, the present disclosure relates to compositions with reduced sedimentation comprising Botanical Powders, and a delivery system, wherein at least a portion of the Botanical Powders are encapsulated in the delivery system, for use in Cosmetics.



INTERNATIONAL SEARCH REPORT

International application No
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A. CLASSIFICATION OF SUBJECT MATTER

INV. A61K8/14 A61K8/97 A61Q5/12 A61Q19/00 A61K36/48
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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, 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 Y	US 2012/156272 A1 (REBMANN HERBERT [DE]) 21 June 2012 (2012-06-21) claims examples page 1, paragraphs 1,10,11 -----	1,15,22, 23,26,27 1-3, 13-27
X Y	US 5 800 818 A (PRUGNAUD LAURENT [FR] ET AL) 1 September 1998 (1998-09-01) claim 1 column 3, lines 1-12 column 3, lines 18-32 column 3, lines 34-50 examples 1-4 -----	1,15,22, 23,26,27 1-3, 13-27
X Y	KR 2002 0011718 A (NABION CORP [KR]) 9 February 2002 (2002-02-09) abstract -/-	1,15,22, 23,26,27 1-3, 13-27



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 application or patent but published on or after the international filing date

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"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

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"&" document member of the same patent family

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INTERNATIONAL SEARCH REPORT

International 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	-& "Composition for improving restoring force of dermatoxerasia of atopic dermatitis and cosmetic containing the same", DERWENT, 1 December 2003 (2003-12-01), - 31 December 2003 (2003-12-31), XP002264008, abstract	1,15,22, 23,26,27
Y		1-3, 13-27
X	----- DATABASE WPI Week 200964 Thomson Scientific, London, GB; AN 2009-J05797 XP002732267, & KR 2009 0040517 A (LIOELE CO LTD) 27 April 2009 (2009-04-27) abstract	1,15,22, 23,26,27
Y		1-3, 13-27
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Y	claims pages 1-2 pages 16-17; examples 3,5 page 19; example 9	1-3, 13-27
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Y	claims 1,3,4,7,16,17 columns 7-8; examples 6-8	1-3, 13-27
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INTERNATIONAL SEARCH REPORT

International application No

PCT/US2014/032493

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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Y	claims 1,6,7,11-15 page 3, lines 7-13 example 3	1,2,4, 13-27
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	claims page 2, paragraph 1 examples 1-4	
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	claims 1,5,6,8 page 2, lines 5-6,15-20 page 2, lines 22-30 page 3, lines 5-13 page 8; example 8	
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INTERNATIONAL SEARCH REPORT

International application No

PCT/US2014/032493

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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X	DATABASE WPI Week 200050 Thomson Scientific, London, GB; AN 2000-544171 XP002734367, & CN 1 140 735 A (LI J) 22 January 1997 (1997-01-22) abstract -----	1,2,4, 13,14, 22-24,26

INTERNATIONAL SEARCH REPORT

International application No.
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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.: 5-12(completely); 1, 2, 13-27(partially)
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:
see FURTHER INFORMATION sheet PCT/ISA/210
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.:
3, 4(completely); 1, 2, 13-27(partially)
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

Information on patent family members

International application No

PCT/US2014/032493

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/US2014/032493

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FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

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

1. claims: 3(completely); 1, 2, 13-27(partially)

A composition comprising at least one of an Active Compound and Botanical Powder, and at least one Delivery System, wherein the botanical powder comprises alfalfa (genus Medicago);

a personal care product comprising the composition of claim 1;

a cosmetic product comprising the composition of claim 1;

use of a delivery system to reduce sedimentation in a botanical powder-based delivery system, wherein the botanical powder comprises alfalfa (genus Medicago);

use of a delivery system ... wherein the botanical powder comprises alfalfa (genus Medicago) to deliver at least one active compound to the epidermis.

2. claims: 4(completely); 1, 2, 13-27(partially)

A composition comprising at least one of an Active Compound and Botanical Powder, and at least one Delivery System, wherein the botanical powder comprises amaranth (genus Amaranthus);

a personal care product comprising the composition of claim 1;

a cosmetic product comprising the composition of claim 1;

use of a delivery system to reduce sedimentation in a botanical powder-based delivery system, wherein the botanical powder comprises amaranth (genus Amaranthus);

use of a delivery system ... wherein the botanical powder comprises amaranth (genus Amaranthus) to deliver at least one active compound to the epidermis.

3. claims: 5(completely); 1, 2, 13-27(partially)

A composition comprising at least one of an Active Compound and Botanical Powder, and at least one Delivery System, wherein the botanical powder comprises argan (genus Argania);

a personal care product comprising the composition of claim 1;

a cosmetic product comprising the composition of claim 1;

use of a delivery system to reduce sedimentation in a botanical powder-based delivery system, wherein the botanical powder comprises argan (genus Argania);

use of a delivery system ... wherein the botanical powder comprises argan (genus Argania) to deliver at least one active compound to the epidermis.

4. claims: 6(completely); 1, 2, 13-27(partially)

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

A composition comprising at least one of an Active Compound and Botanical Powder, and at least one Delivery System, wherein the botanical powder comprises arrowroot;
 a personal care product comprising the composition of claim 1;
 a cosmetic product comprising the composition of claim 1;
 use of a delivery system to reduce sedimentation in a botanical powder-based delivery system, wherein the botanical powder comprises arrowroot;
 use of a delivery system ... wherein the botanical powder comprises arrowroot to deliver at least one active compound to the epidermis.

5. claims: 7(completely); 1, 2, 13-27(partially)

A composition comprising at least one of an Active Compound and Botanical Powder, and at least one Delivery System, wherein the botanical powder comprises barley (genus Hordeum);
 a personal care product comprising the composition of claim 1;
 a cosmetic product comprising the composition of claim 1;
 use of a delivery system to reduce sedimentation in a botanical powder-based delivery system, wherein the botanical powder comprises barley (genus Hordeum);
 use of a delivery system ... wherein the botanical powder comprises barley (genus Hordeum) to deliver at least one active compound to the epidermis.

6. claims: 8(completely); 1, 2, 13-27(partially)

A composition comprising at least one of an Active Compound and Botanical Powder, and at least one Delivery System, wherein the botanical powder comprises lupine (genus Lupinus);
 a personal care product comprising the composition of claim 1;
 a cosmetic product comprising the composition of claim 1;
 use of a delivery system to reduce sedimentation in a botanical powder-based delivery system, wherein the botanical powder comprises lupine (genus Lupinus);
 use of a delivery system ... wherein the botanical powder comprises lupine (genus Lupinus) to deliver at least one active compound to the epidermis.

7. claims: 9(completely); 1, 2, 13-27(partially)

A composition comprising at least one of an Active Compound and Botanical Powder, and at least one Delivery System, wherein the botanical powder comprises oat (genus Avena);
 a personal care product comprising the composition of claim

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

1;
 a cosmetic product comprising the composition of claim 1;
 use of a delivery system to reduce sedimentation in a
 botanical powder-based delivery system, wherein the
 botanical powder comprises oat (genus Avena);
 use of a delivery system ... wherein the botanical powder
 comprises oat (genus Avena) to deliver at least one active
 compound to the epidermis.

8. claims: 10(completely); 1, 2, 13-27(partially)

A composition comprising at least one of an Active Compound
 and Botanical Powder, and at least one Delivery System,
 wherein the botanical powder comprises rice (genus Oryza);
 a personal care product comprising the composition of claim
 1;
 a cosmetic product comprising the composition of claim 1;
 use of a delivery system to reduce sedimentation in a
 botanical powder-based delivery system, wherein the
 botanical powder comprises rice (genus Oryza);
 use of a delivery system ... wherein the botanical powder
 comprises rice (genus Oryza) to deliver at least one active
 compound to the epidermis.

9. claims: 11(completely); 1, 2, 13-27(partially)

A composition comprising at least one of an Active Compound
 and Botanical Powder, and at least one Delivery System,
 wherein the botanical powder comprises soya (genus Glycine);
 a personal care product comprising the composition of claim
 1;
 a cosmetic product comprising the composition of claim 1;
 use of a delivery system to reduce sedimentation in a
 botanical powder-based delivery system, wherein the
 botanical powder comprises soya (genus Glycine);
 use of a delivery system ... wherein the botanical powder
 comprises soya (genus Glycine) to deliver at least one
 active compound to the epidermis.

10. claims: 1, 2, 13-27(all partially)

A composition comprising at least one of an Active Compound
 and Botanical Powder, and at least one Delivery System,
 wherein the botanical powder comprises pea (genus Pisum);
 a personal care product comprising the composition of claim
 1;
 a cosmetic product comprising the composition of claim 1;
 use of a delivery system to reduce sedimentation in a
 botanical powder-based delivery system, wherein the
 botanical powder comprises pea (genus Pisum);
 use of a delivery system ... wherein the botanical powder
 comprises pea (genus Pisum) to deliver at least one active

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

compound to the epidermis.

11. claims: 1, 2, 13-27(all partially)

A composition comprising at least one of an Active Compound and Botanical Powder, and at least one Delivery System, wherein the botanical powder comprises powders of cinnamon extract;

a personal care product comprising the composition of claim 1;

a cosmetic product comprising the composition of claim 1;

use of a delivery system to reduce sedimentation in a

botanical powder-based delivery system, wherein the

botanical powder comprises powders of cinnamon extract;

use of a delivery system ... wherein the botanical powder

comprises powders of cinnamon extract to deliver at least

one active compound to the epidermis.

12. claims: 1, 2, 13-27(all partially)

A composition comprising at least one of an Active Compound and Botanical Powder, and at least one Delivery System, wherein the botanical powder comprises powders of Citrus medica limonum extract;

a personal care product comprising the composition of claim 1;

a cosmetic product comprising the composition of claim 1;

use of a delivery system to reduce sedimentation in a

botanical powder-based delivery system, wherein the

botanical powder comprises powders of Citrus medica limonum extract;

use of a delivery system ... wherein the botanical powder

comprises powders of Citrus medica limonum extract to

deliver at least one active compound to the epidermis.

13. claims: 1, 2, 13-27(all partially)

A composition comprising at least one of an Active Compound and Botanical Powder, and at least one Delivery System, wherein the botanical powder comprises powders of Cucumis;

a personal care product comprising the composition of claim 1;

a cosmetic product comprising the composition of claim 1;

use of a delivery system to reduce sedimentation in a

botanical powder-based delivery system, wherein the

botanical powder comprises powders of Cucumis;

use of a delivery system ... wherein the botanical powder

comprises powders of Cucumis to deliver at least one active compound to the epidermis.

14. claims: 1, 2, 13-27(all partially)

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

A composition comprising at least one of an Active Compound and Botanical Powder, and at least one Delivery System, wherein the botanical powder comprises powders of Glycyrrhiza;
 a personal care product comprising the composition of claim 1;
 a cosmetic product comprising the composition of claim 1;
 use of a delivery system to reduce sedimentation in a botanical powder-based delivery system, wherein the botanical powder comprises powders of Glycyrrhiza;
 use of a delivery system ... wherein the botanical powder comprises powders of Glycyrrhiza to deliver at least one active compound to the epidermis.

15. claims: 12(completely); 1, 2, 13-27(partially)

A composition comprising at least one of an Active Compound and Botanical Powder, and at least one Delivery System, wherein the botanical powder comprises wheat (genus Triticum);
 a personal care product comprising the composition of claim 1;
 a cosmetic product comprising the composition of claim 1;
 use of a delivery system to reduce sedimentation in a botanical powder-based delivery system, wherein the botanical powder comprises wheat (genus Triticum);
 use of a delivery system ... wherein the botanical powder comprises wheat (genus Triticum) to deliver at least one active compound to the epidermis.

16. claims: 1, 2, 13-27(all partially)

A composition comprising at least one of an Active Compound and Botanical Powder, and at least one Delivery System, wherein the botanical powder comprises baobab (genus Adansonia);
 a personal care product comprising the composition of claim 1;
 a cosmetic product comprising the composition of claim 1;
 use of a delivery system to reduce sedimentation in a botanical powder-based delivery system, wherein the botanical powder comprises baobab (genus Adansonia);
 use of a delivery system ... wherein the botanical powder comprises baobab (genus Adansonia) to deliver at least one active compound to the epidermis.

17. claims: 1, 2, 13-27(all partially)

A composition comprising at least one of an Active Compound and Botanical Powder, and at least one Delivery System, wherein the botanical powder comprises hop (genus Humulus);

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

a personal care product comprising the composition of claim 1;
 a cosmetic product comprising the composition of claim 1;
 use of a delivery system to reduce sedimentation in a botanical powder-based delivery system, wherein the botanical powder comprises hop (genus Humulus);
 use of a delivery system ... wherein the botanical powder comprises hop (genus Humulus) to deliver at least one active compound to the epidermis.

18. claims: 1, 2, 13-27(all partially)

A composition comprising at least one of an Active Compound and Botanical Powder, and at least one Delivery System, wherein the botanical powder comprises maize (genus Zea);
 a personal care product comprising the composition of claim 1;
 a cosmetic product comprising the composition of claim 1;
 use of a delivery system to reduce sedimentation in a botanical powder-based delivery system, wherein the botanical powder comprises maize (genus Zea);
 use of a delivery system ... wherein the botanical powder comprises maize (genus Zea) to deliver at least one active compound to the epidermis.

19. claims: 1, 2, 13-27(all partially)

A composition comprising at least one of an Active Compound and Botanical Powder, and at least one Delivery System, wherein the botanical powder comprises chick pea (genus Cicer);
 a personal care product comprising the composition of claim 1;
 a cosmetic product comprising the composition of claim 1;
 use of a delivery system to reduce sedimentation in a botanical powder-based delivery system, wherein the botanical powder comprises chick pea (genus Cicer);
 use of a delivery system ... wherein the botanical powder comprises chick pea (genus Cicer) to deliver at least one active compound to the epidermis.

20. claims: 1, 2, 13-27(all partially)

A composition comprising at least one of an Active Compound and Botanical Powder, and at least one Delivery System, wherein the botanical powder comprises apple (genus Pyrus);
 a personal care product comprising the composition of claim 1;
 a cosmetic product comprising the composition of claim 1;
 use of a delivery system to reduce sedimentation in a botanical powder-based delivery system, wherein the botanical powder comprises apple (genus Pyrus);

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

use of a delivery system ... wherein the botanical powder comprises apple (genus *Pyrus*) to deliver at least one active compound to the epidermis.

21. claims: 1, 2, 13-27(all partially)

A composition comprising at least one of an Active Compound and Botanical Powder, and at least one Delivery System, wherein the botanical powder comprises citrus (genus *citrus*);

a personal care product comprising the composition of claim 1;

a cosmetic product comprising the composition of claim 1;

use of a delivery system to reduce sedimentation in a botanical powder-based delivery system, wherein the

botanical powder comprises citrus (genus *citrus*);

use of a delivery system ... wherein the botanical powder comprises citrus (genus *citrus*) to deliver at least one active compound to the epidermis.

22. claims: 1, 2, 13-27(all partially)

A composition comprising at least one of an Active Compound and Botanical Powder, and at least one Delivery System, wherein the botanical powder comprises coconut (genus *Cocos*);

a personal care product comprising the composition of claim 1;

a cosmetic product comprising the composition of claim 1;

use of a delivery system to reduce sedimentation in a botanical powder-based delivery system, wherein the

botanical powder comprises coconut (genus *Cocos*);

use of a delivery system ... wherein the botanical powder comprises coconut (genus *Cocos*) to deliver at least one active compound to the epidermis.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box II.2

Claims Nos.: 5-12(completely); 1, 2, 13-27(partially)

lack of unity

The applicant's attention is drawn to the fact that claims relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure. If the application proceeds into the regional phase before the EPO, the applicant is reminded that a search may be carried out during examination before the EPO (see EPO Guidelines C-IV, 7.2), should the problems which led to the Article 17(2) declaration be overcome.