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(54) Title: PERSONAL CARE COMPOSITIONS COMPRISING ALPHA-GLUCANS AND/OR BETA-GLUCANS

(57) Abstract: Personal care compositions containing at an alpha-glucan and/or beta-glucan; at least one additional skin and/or hair care active selected from the group consisting of sugar amine, vitamin B3, retinoids, peptides, phytosterol, dialkanoyl hydroxyproline, hexamidine, salicylic acid, n-acyl amino acid compounds, sunscreen actives, water soluble vitamins, oil soluble vitamins, hesperedin, mustard seed extract, glycyrrhizic acid, glycyrrhetic acid, carnosine, Butylated Hydroxytoluene (BHT) and Butylated Hydroxyanisole (BHA), menthyl anthranilate, cetyl pyridinium chloride, ergothioneine, vanillin or its derivatives, diethylhexyl syringylidene malonate, melanostatine, sterol esters, tetrahydrocurcumin, their derivatives, their precursors, and combinations thereof; and a dermatologically acceptable carrier.



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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER		
INV. A61K8/73	A61K8/60	A61K8/67
A61Q19/02	A61Q19/06	A61Q5/00
		A61Q19/00
		A61Q5/02
		A61Q19/08
		A61Q5/06
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.
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<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C.	<input checked="" type="checkbox"/> 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	"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	
"E" earlier document but 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 17 November 2006	Date of mailing of the international search report 12. 03. 2007	
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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.
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INTERNATIONAL SEARCH REPORT

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Box 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 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 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.:

see annex

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) part

A personal care composition characterized by :

- a) a skin and/or hair active comprising alpha-glucans, beta-glucans, or combinations thereof;
- b) at least one additional skin and/or hair care active comprising sugar amine;
- c) a dermatologically acceptable carrier.

2. claims: (1-12) part

A personal care composition characterized by :

- a) a skin and/or hair active comprising alpha-glucans, beta-glucans, or combinations thereof;
- b) at least one additional skin and/or hair care active comprising vitamin B3;
- c) a dermatologically acceptable carrier.

3. claims: (1-12) part

A personal care composition characterized by :

- a) a skin and/or hair active comprising alpha-glucans, beta-glucans, or combinations thereof;
- b) at least one additional skin and/or hair care active comprising retinoids;
- c) a dermatologically acceptable carrier.

4. claims: (1-12)part

A personal care composition characterized by :

- a) a skin and/or hair active comprising alpha-glucans, beta-glucans, or combinations thereof;
- b) at least one additional skin and/or hair care active comprising peptides;
- c) a dermatologically acceptable carrier.

5. claims: (1-12)part

A personal care composition characterized by :

- a) a skin and/or hair active comprising alpha-glucans, beta-glucans, or combinations thereof;
- b) at least one additional skin and/or hair care active comprising phytosterol;
- c) a dermatologically acceptable carrier.

6. claims: (1-12) part

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

A personal care composition characterized by :
a) a skin and/or hair active comprising alpha-glucans, beta-glucans, or combinations thereof;
b) at least one additional skin and/or hair care active comprising dialkanoyl hydroxyproline;
c) a dermatologically acceptable carrier.

7. claims: (1-12) part

A personal care composition characterized by :
a) a skin and/or hair active comprising alpha-glucans, beta-glucans, or combinations thereof;
b) at least one additional skin and/or hair care active comprising hexamidine;
c) a dermatologically acceptable carrier.

8. claims: (1-12) part

A personal care composition characterized by :
a) a skin and/or hair active comprising alpha-glucans, beta-glucans, or combinations thereof;
b) at least one additional skin and/or hair care active comprising salicylic acid;
c) a dermatologically acceptable carrier.

9. claims: (1-12) part

A personal care composition characterized by :
a) a skin and/or hair active comprising alpha-glucans, beta-glucans, or combinations thereof;
b) at least one additional skin and/or hair care active comprising n-acyl amino acid compounds;
c) a dermatologically acceptable carrier.

10. claims: (1-12) part

A personal care composition characterized by :
a) a skin and/or hair active comprising alpha-glucans, beta-glucans, or combinations thereof;
b) at least one additional skin and/or hair care active comprising sunscreen actives;
c) a dermatologically acceptable carrier.

11. claims: (1-12) part

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

A personal care composition characterized by :
a) a skin and/or hair active comprising alpha-glucans,
beta-glucans, or combinations thereof;
b) at least one additional skin and/or hair care active
comprising water soluble vitamins;
c) a dermatologically acceptable carrier.

12. claims: (1-12) part

A personal care composition characterized by :
a) a skin and/or hair active comprising alpha-glucans,
beta-glucans, or combinations thereof;
b) at least one additional skin and/or hair care active
comprising oil soluble vitamins;
c) a dermatologically acceptable carrier.

13. claims: (1-12) part

A personal care composition characterized by :
a) a skin and/or hair active comprising alpha-glucans,
beta-glucans, or combinations thereof;
b) at least one additional skin and/or hair care active
comprising hesperidin;
c) a dermatologically acceptable carrier.

14. claims: (1-12) part

A personal care composition characterized by :
a) a skin and/or hair active comprising alpha-glucans,
beta-glucans, or combinations thereof;
b) at least one additional skin and/or hair care active
comprising mustard seed extract;
c) a dermatologically acceptable carrier.

15. claims: (1-12) part

A personal care composition characterized by :
a) a skin and/or hair active comprising alpha-glucans,
beta-glucans, or combinations thereof;
b) at least one additional skin and/or hair care active
comprising glycyrrhizic acid;
c) a dermatologically acceptable carrier.

16. claims: (1-12) part

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

A personal care composition characterized by :
a) a skin and/or hair active comprising alpha-glucans,
beta-glucans, or combinations thereof;
b) at least one additional skin and/or hair care active
comprising glycyrrhetic acid;
c) a dermatologically acceptable carrier.

17. claims: (1-12) part

A personal care composition characterized by :
a) a skin and/or hair active comprising alpha-glucans,
beta-glucans, or combinations thereof;
b) at least one additional skin and/or hair care active
comprising carnosine;
c) a dermatologically acceptable carrier.

18. claims: (1-12) part

A personal care composition characterized by :
a) a skin and/or hair active comprising alpha-glucans,
beta-glucans, or combinations thereof;
b) at least one additional skin and/or hair care active
comprising butylated hydroxytoluene and butylated
hydroxyanisole;
c) a dermatologically acceptable carrier.

19. claims: (1-12) part

A personal care composition characterized by :
a) a skin and/or hair active comprising alpha-glucans,
beta-glucans, or combinations thereof;
b) at least one additional skin and/or hair care active
comprising menthyl anthranilate;
c) a dermatologically acceptable carrier.

20. claims: (1-12) part

A personal care composition characterized by :
a) a skin and/or hair active comprising alpha-glucans,
beta-glucans, or combinations thereof;
b) at least one additional skin and/or hair care active
comprising cetyl pyridinium chloride;
c) a dermatologically acceptable carrier.

21. claims: (1-12) part

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

A personal care composition characterized by :

- a) a skin and/or hair active comprising alpha-glucans, beta-glucans, or combinations thereof;
- b) at least one additional skin and/or hair care active comprising ergothioneine;
- c) a dermatologically acceptable carrier.

22. claims: (1-12) part

A personal care composition characterized by :

- a) a skin and/or hair active comprising alpha-glucans, beta-glucans, or combinations thereof;
- b) at least one additional skin and/or hair care active comprising vanillin or its derivatives;
- c) a dermatologically acceptable carrier.

23. claims: (1-12) part

A personal care composition characterized by :

- a) a skin and/or hair active comprising alpha-glucans, beta-glucans, or combinations thereof;
- b) at least one additional skin and/or hair care active comprising diethylhexyl syrynylidene malonate;
- c) a dermatologically acceptable carrier.

24. claims: (1-12) part

A personal care composition characterized by :

- a) a skin and/or hair active comprising alpha-glucans, beta-glucans, or combinations thereof;
- b) at least one additional skin and/or hair care active comprising melanostatine;
- c) a dermatologically acceptable carrier.

25. claims: (1-12) part

A personal care composition characterized by :

- a) a skin and/or hair active comprising alpha-glucans, beta-glucans, or combinations thereof;
- b) at least one additional skin and/or hair care active comprising sterol esters;
- c) a dermatologically acceptable carrier.

26. claims: (1-12) part

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

- A personal care composition characterized by :
- a) a skin and/or hair active comprising alpha-glucans, beta-glucans, or combinations thereof;
 - b) at least one additional skin and/or hair care active comprising tetrahydrocurcumin;
 - c) a dermatologically acceptable carrier.
-

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/US2006/023470

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