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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:

12 November 2009

(54) Title: CLEANING COMPOSITIONS AND METHODS

(57) Abstract: The present invention is directed to effervescent cleaning compositions comprising a basic amino acid.



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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2009/033310**A. CLASSIFICATION OF SUBJECT MATTER***A61K 8/44(2006.01)i, A61K 8/37(2006.01)i, A61K 8/20(2006.01)i, A61Q 11/00(2006.01)i, A61K 8/02(2006.01)i*

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 as above

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)

eKOMPASS(KIPO internal), CAS(online), PUBMED, Google ; 'effervescent composition', 'amino acid', 'acid source', 'carboate salt'

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	JP 07-258053 A (KAO CORP) 9 October 1995 See claims 1, 3, 4, 7 ; paragraphs [0001], [0008], [0010], [0021]	1-3
A	JP 2001-089337 A (KAO CORP) 3 April 2001 See claim 1, paragraphs [0007]- [0010]	1-3
A	US 2002-0131987 A1 (CARNAZZO, J. W.) 19 September 2002 See claims 9-16	1-3
A	US2003-0170301 A1 (WEHLING, F.) 11 September 2003 See claims 1, 9, 10, 12-14	1-3

☐ 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

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of 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

24 SEPTEMBER 2009 (24.09.2009)

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US2009/033310

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.: 6, 18, 20, 22, 23
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:

Claims 6, 18, 20, 22, 23 respectively refer to claim 5, 17, 19, 21, 22 which is not searchable due to not being drafted in accordance with the third sentence of Rule 6.4(a) or unclear.

3. ☒ Claims Nos.: 4, 5, 7-17, 19, 21, 24, 25
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:

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 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/US2009/033310

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
JP 07-258053 A	09.10.1995	JP 3566374 B2 JP 03-566374 B2	15.09.2004 18.06.2004
JP 2001-089337 A	03.04.2001	None	
US 2002-0131987 A1	19.09.2002	US 05925378 A	20.07.1999
US 2003-170301 A1	11.09.2003	US 06811793 B2	02.11.2004