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**Declarations under Rule 4.17:**

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for all designations
- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for all designations
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii)) for all designations
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*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

(54) Title: CLEANING COMPOSITIONS IN THE FORM OF A TABLET

(57) Abstract: A cleaning tablet which comprises 40-60 % of an alpha hydroxy aliphatic acid, 20-30 % of an alkali metal bicarbonate, a magnesium inorganic salt, a clay, a sulfonated anionic surfactant, an alkali polycarboxylate, a solubilizing agent and a salt of a fatty acid.



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**INTERNATIONAL SEARCH REPORT**

International Application No

PC1705 03/11211

**A. CLASSIFICATION OF SUBJECT MATTER**

IPC 7 C11D17/00 C11D3/20 C11D3/10 C11D3/12 C11D1/22  
 C11D1/14 C11D3/00 C11D3/395

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 7 C11D

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, CHEM ABS Data, WPI Data, PAJ

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 3 607 759 A (BARTH JORDAN B) 21 September 1971 (1971-09-21) column 1, lines 48-73; examples I,IV claims 1-8 column 2, lines 57-65 column 3, lines 23-31	1,5
A	WO 00 18856 A (PROCTER & GAMBLE) 6 April 2000 (2000-04-06) page 3, line 14 - line 17; example I page 15, line 10 - line 29 page 24, line 1 - page 25, line 19	1-5
A	DE 195 00 936 A (WEBER RUDOLF DIPL ING) 18 July 1996 (1996-07-18) page 2, lines 37-44; examples 1-10; table 1 page 3, lines 3-11; claims	1,2,5
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Further documents are listed in the continuation of box C.

Patent family members are listed in 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

21 July 2003

Date of mailing of the international search report

**12.12.03**

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## INTERNATIONAL SEARCH REPORT

Inter: I Application No

PC17US 03/11211

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	GB 2 349 390 A (PROCTER & GAMBLE) 1 November 2000 (2000-11-01) page 1, line 30 - page 3, line 9; examples page 4, line 25 - page 8, line 10 page 9, line 9 - page 10, line 11 page 47, line 15 - page 48, line 7 -----	1-5
A	WO 01 68792 A (CHEMLINK LAB LLC) 20 September 2001 (2001-09-20) page 7, lines 15-27; claims 1,6-11,20,25; table 3 page 8, lines 11-19 -----	1,5
A	CA 2 040 307 A (JORIKI INC) 13 October 1992 (1992-10-13) page 2, lines 18-23 page 8 page 9, lines 6-14 -----	1
A	GB 2 348 434 A (PROCTER & GAMBLE) 4 October 2000 (2000-10-04) page 2, lines 20-24; claims; examples page 3, line 5 - page 7, line 22 -----	1-5

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/US 03/11211

## Box I Observations where certain claims were found unsearchable (Continuation of item 1 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 II Observations where unity of invention is lacking (Continuation of item 2 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.:

1-5

### 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: 1-5

A cleaning tablet which comprises:

- 40-60% an alpha hydroxy aliphatic acid;
  - 20-30% of an alkali bicarbonate;
  - 2-8% a magnesium inorganic salt;
  - 1-9% of a clay;
  - 1-10% of a sulfonated anionic surfactant;
  - 0.1-4% an alkali metal salt of a polycarboxylic acid;
  - 0.1-4% a solubilizing agent;
  - 0.5-1% of an alkali or alkaline earth metal salt of a fatty acid.
- 

## 2. claims: 6-9

A cleaning tablet which comprises:

- 25-50% an alpha hydroxy aliphatic acid;
  - 25-43% of an alkali bicarbonate;
  - 1-9% of a clay;
  - 1-10% of a sulfonated anionic surfactant;
  - 1-15% an alkali metal carbonate;
  - 2-12% a C4-C12 aliphatic dicarboxylic acid;
  - 1-20% a bleach compound;
  - 0.1-6% of amorphous precipitated silica.
-

## INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US 03/11211

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