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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: WATER SOLUBLE SACHET WITH A DISHWASHER COMPOSITION

(57) Abstract: This invention is directed to a water soluble sachet comprising a detergent composition having an encapsulated bleach. The water soluble sachet unexpectedly results in excellent cleaning properties and minimizes spot and film formation on items being cleaned in a dishwasher.



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INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 02/02770

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C11D17/04 C11D3/39 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, 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.
X	WO 98 30670 A (HINTON GERALD THOMAS) 16 July 1998 (1998-07-16) claims 1-7,9-12 example 5 ---	1,5
X	WO 00 02980 A (HINTON GERALD THOMAS) 20 January 2000 (2000-01-20) claims 1-9,11-13 example 2 ---	1,5
Y	US 4 115 292 A (MUELLER FRANK J ET AL) 19 September 1978 (1978-09-19) claims 1,5-7,9-11 examples I-XXVIII column 10, line 31 - line 35 --- -/--	1-5,13, 14

☒ 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

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"P" document published prior to the international filing date but later than the priority date claimed

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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

"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

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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.
Y A	EP 0 596 550 A (UNILEVER NV) 11 May 1994 (1994-05-11) claims 1,8,16 examples page 2, line 50 - line 54 page 3, line 45 -page 4, line 11 ---	1-5,13, 14 15,16,18
Y	US 5 141 664 A (CORRING ROBERT ET AL) 25 August 1992 (1992-08-25) claim 1 examples column 7, line 39 -column 8, line 68 ---	1-5,13, 14
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A	EP 0 893 491 A (UNILEVER PLC) 27 January 1999 (1999-01-27) claims page 2, line 38 -page 3, line 34 page 4, line 30 -page 5, line 5 page 10, line 17 - line 35 page 10, line 56 -page 11, line 1 examples A,C ---	1-5, 13-18
A	WO 99 58633 A (UNILEVER PLC) 18 November 1999 (1999-11-18) claims table 1 page 7, line 23 -page 17, line 16 page 22, line 33 - line 35 page 38, line 7 -page 39, line 15 -----	13-18

INTERNATIONAL SEARCH REPORT

International application No.
PCT/EP 02/02770

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.:

Claims 1-5, 13-18.

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: 1-5,13-18

A water soluble sachet comprising a dishwashing composition comprising an encapsulated bleach. A package comprising this sachet and this dishwashing composition in gel form and a method for cleaning glassware by using this sachet.

2. Claims: 6-12,19-22

A water soluble sachet comprising a dishwashing gel having (a) a polymer with average molecular weight of greater than about 2,000 and comprising a positive charge; and (b) a water soluble polymer for reducing phosphate scale formation and/or a compound for reducing carbonate scale formation. A method for cleaning glassware by using this sachet.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP 02/02770

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