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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: LAUNDRY CLEANSING AND CONDITIONING COMPOSITIONS

(57) Abstract: Fabric and textile conditioning compositions containing particular combinations of cationic polymers and anionic surfactants are disclosed. The polymers are soluble or dispersible to at least 0.01% by weight in distilled water at 25°C, are preferably below a particular molecular weight to afford optimal cleaning and conditioning, and are present in an effective amount to yield a substantial conditioning benefit. A method of conditioning articles using the polymer / surfactant combinations is also disclosed.

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**INTERNATIONAL SEARCH REPORT**

International application No  
PCT/EP/004/000668

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 C11D3/37 C11D3/22 C11D1/02 C11D1/22

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	US 5 733 854 A (ROBINSON FRED ET AL) 31 March 1998 (1998-03-31) column 1, lines 11-20 column 3, lines 48-59 column 8, lines 23-35 examples	1-7, 9-16,18
X	US 6 369 018 B1 (MURPHY DENNIS STEPHEN ET AL) 9 April 2002 (2002-04-09) cited in the application column 3, lines 9-65 column 7, lines 1-11 column 17, lines 56-67 example 5	1-16,18

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

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## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP 2004/000668

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 01/19946 A (UNILEVER) 22 March 2001 (2001-03-22) page 3, line 7 - page 4, line 16 examples 2-6,8-13,15 -----	1-3,5
X	US 2002/045558 A1 (CREETH ANDREW MARTIN ET AL) 18 April 2002 (2002-04-18) paragraphs [0019] - [0047], [0124] examples -----	6-18
X	US 2002/151454 A1 (STUTE JUTTA ET AL) 17 October 2002 (2002-10-17) cited in the application paragraphs [0004] - [0010], [0013] - [0015] examples; table 1 -----	6-10, 12-17
X	WO 02/18528 A (PROCTER & GAMBLE) 7 March 2002 (2002-03-07) page 2, paragraph 3-5 pages 33-34; example 2 -----	6,8-14
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A	US 6 492 322 B1 (WARD RICHARD MARTIN ET AL) 10 December 2002 (2002-12-10) cited in the application column 6, line 66 - column 12, line 67 -----	1-5
P,X	WO 03/095497 A (HERCULES INC) 20 November 2003 (2003-11-20) examples 11,15 -----	1-3,5-7, 9-15,18

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/EP2004/000668

## 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.:

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 liquid laundry composition comprising one or more cationic polymers and one or more anionic surfactants wherein the composition has a percent transmittance of greater than 50 at 570 nanometers measured in the absence of dyes and contains less than 2% anionic polysaccharide.

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2. claims: 6-18

A laundry composition comprising one or more cationic polymers and more than 5% of one or more anionic surfactants having an HLB of greater than 4 and having a Softening Parameter of greater than 40. A method for conditioning textiles with the laundry composition.

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**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International Application No

PCT/EP 2004/000668

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