



Europäisches Patentamt  
European Patent Office  
Office européen des brevets



(11) **EP 1 001 011 A3**

(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:  
**09.08.2000 Bulletin 2000/32**

(51) Int. Cl.<sup>7</sup>: **C11D 3/39**, C11D 3/20,  
C11D 11/00, D06L 3/02

(43) Date of publication A2:  
**17.05.2000 Bulletin 2000/20**

(21) Application number: **99870211.2**

(22) Date of filing: **14.10.1999**

(84) Designated Contracting States:  
**AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU  
MC NL PT SE**  
Designated Extension States:  
**AL LT LV MK RO SI**

(30) Priority: **11.11.1998 EP 98870247**  
**02.12.1998 EP 98870263**

(71) Applicant:  
**THE PROCTER & GAMBLE COMPANY**  
**Cincinnati, Ohio 45202 (US)**

(72) Inventors:  
• **Del Duca, Valerio**  
**80064 Massalubrense, Napoli (IT)**

- **Ricci, Carlo**  
**00151 Rome (IT)**
- **Giunti, Stefano**  
**61033 Fermignano, Pesaro (IT)**
- **Sarcinelli, Luca**  
**90142 (IT)**
- **Leone, Milena**  
**21013 Gallarate, VA (IT)**

(74) Representative:  
**Morelle, Evelyne Charlotte Isabelle et al**  
**BVBA Procter & Gamble Europe Sprl,**  
**Temselaan 100**  
**1853 Strombeek-Bever (BE)**

(54) **Bleaching composition comprising an alkoxyated benzoic acid**

(57) The present invention relates to a liquid or solid bleaching composition comprising a peroxygen bleach and an alkoxyated benzoic acid or a salt thereof. This bleaching composition shows excellent immediate chemical stability and excellent chemical stability upon storage. Furthermore, the present invention relates to a process of treating a fabric and/or a process of treating a carpet.

**EP 1 001 011 A3**



European Patent  
Office

# EUROPEAN SEARCH REPORT

Application Number  
EP 99 87 0211

| DOCUMENTS CONSIDERED TO BE RELEVANT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                  |                                                  |                                               |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|-----------------------------------------------|
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Citation of document with indication, where appropriate, of relevant passages                                                                                    | Relevant to claim                                | CLASSIFICATION OF THE APPLICATION (Int.Cl.7)  |
| P, X                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | WO 99 28427 A (GOODRICH CO B F)<br>10 June 1999 (1999-06-10)<br>* claims 1-15 *                                                                                  | 1-10, 12,<br>13, 21, 22                          | C11D3/39<br>C11D3/20<br>C11D11/00<br>D06L3/02 |
| X                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | US 5 545 349 A (KURII JUN ET AL)<br>13 August 1996 (1996-08-13)<br>* column 3, line 15 - line 31 *<br>* column 5, line 23 - column 6, line 7 *<br>* claims 1-4 * | 1-3, 7-9,<br>12, 13                              |                                               |
| A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | EP 0 668 345 A (PROCTER & GAMBLE)<br>23 August 1995 (1995-08-23)<br>* claims 1-13 *                                                                              | 1, 14, 17,<br>21-23                              |                                               |
| A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | US 5 510 047 A (GABRIEL STEVEN M ET AL)<br>23 April 1996 (1996-04-23)<br>* column 15, line 12 - column 16, line 27 *<br>* claims 1-8 *                           | 1, 21, 22                                        |                                               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                  |                                                  | TECHNICAL FIELDS SEARCHED (Int.Cl.7)          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                  |                                                  | C11D<br>D06L<br>C01B                          |
| The present search report has been drawn up for all claims                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                  |                                                  |                                               |
| Place of search<br>THE HAGUE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                  | Date of completion of the search<br>20 June 2000 | Examiner<br>Richards, M                       |
| <p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone<br/>Y : particularly relevant if combined with another document of the same category<br/>A : technological background<br/>O : non-written disclosure<br/>P : intermediate document</p> <p>T : theory or principle underlying the invention<br/>E : earlier patent document, but published on, or after the filing date<br/>D : document cited in the application<br/>L : document cited for other reasons<br/>&amp; : member of the same patent family, corresponding document</p> |                                                                                                                                                                  |                                                  |                                               |

EPO FORM 1503 03 82 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.**

EP 99 87 0211

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on  
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

20-06-2000

| Patent document<br>cited in search report | Publication<br>date | Patent family<br>member(s) | Publication<br>date |
|-------------------------------------------|---------------------|----------------------------|---------------------|
| WO 9928427 A                              | 10-06-1999          | US 5997764 A               | 07-12-1999          |
|                                           |                     | AU 1411699 A               | 16-06-1999          |
| US 5545349 A                              | 13-08-1996          | JP 2597725 B               | 09-04-1997          |
|                                           |                     | JP 3097798 A               | 23-04-1991          |
|                                           |                     | JP 2608335 B               | 07-05-1997          |
|                                           |                     | JP 3121200 A               | 23-05-1991          |
|                                           |                     | JP 2756012 B               | 25-05-1998          |
|                                           |                     | JP 3220298 A               | 27-09-1991          |
|                                           |                     | JP 1981427 C               | 25-10-1995          |
|                                           |                     | JP 4007399 A               | 10-01-1992          |
|                                           |                     | JP 7005914 B               | 25-01-1995          |
|                                           |                     | DE 69027423 D              | 18-07-1996          |
|                                           |                     | DE 69027423 T              | 06-02-1997          |
|                                           |                     | EP 0447553 A               | 25-09-1991          |
|                                           |                     | HK 44497 A                 | 18-04-1997          |
|                                           |                     | WO 9103542 A               | 21-03-1991          |
|                                           |                     | SG 43007 A                 | 17-10-1997          |
| EP 0668345 A                              | 23-08-1995          | JP 7310098 A               | 28-11-1995          |
|                                           |                     | AT 178938 T                | 15-04-1999          |
|                                           |                     | AU 701112 B                | 21-01-1999          |
|                                           |                     | AU 1171895 A               | 29-05-1995          |
|                                           |                     | BR 9408034 A               | 17-12-1996          |
|                                           |                     | CA 2173434 A               | 18-05-1995          |
|                                           |                     | CN 1134735 A               | 30-10-1996          |
|                                           |                     | CZ 9601328 A               | 11-12-1996          |
|                                           |                     | DE 69417844 D              | 20-05-1999          |
|                                           |                     | DE 69417844 T              | 18-11-1999          |
|                                           |                     | EG 20629 A                 | 31-07-1999          |
|                                           |                     | EP 0653483 A               | 17-05-1995          |
|                                           |                     | EP 0892042 A               | 20-01-1999          |
|                                           |                     | ES 2131661 T               | 01-08-1999          |
|                                           |                     | FI 962009 A                | 10-05-1996          |
|                                           |                     | GR 3030580 T               | 29-10-1999          |
|                                           |                     | HU 74708 A                 | 28-02-1997          |
|                                           |                     | JP 9510945 T               | 04-11-1997          |
|                                           |                     | NO 961905 A                | 10-05-1996          |
|                                           |                     | NZ 276888 A                | 25-03-1998          |
|                                           |                     | PL 314295 A                | 02-09-1996          |
|                                           |                     | SK 60296 A                 | 07-05-1997          |
|                                           |                     | WO 9513417 A               | 18-05-1995          |
|                                           |                     | US 5843190 A               | 01-12-1998          |
| US 5510047 A                              | 23-04-1996          | AU 3970393 A               | 18-11-1993          |
|                                           |                     | BR 9306242 A               | 23-06-1998          |

EPO FORM P0459

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82

**ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.**

EP 99 87 0211

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.  
The members are as contained in the European Patent Office EDP file on  
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

20-06-2000

| Patent document<br>cited in search report | Publication<br>date | Patent family<br>member(s) | Publication<br>date |
|-------------------------------------------|---------------------|----------------------------|---------------------|
| US 5510047      A                         |                     | CA    2133445 A,C          | 28-10-1993          |
|                                           |                     | EP    0636169 A            | 01-02-1995          |
|                                           |                     | JP    8504220 T            | 07-05-1996          |
|                                           |                     | WO    9321298 A            | 28-10-1993          |
| -----                                     |                     |                            |                     |