



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

<p>(51) International Patent Classification<sup>6</sup> : <b>C11D 1/02, 1/66, 1/83, 3/04</b></p>	<p><b>A3</b></p>	<p>(11) International Publication Number: <b>WO 96/41856</b> (43) International Publication Date: 27 December 1996 (27.12.96)</p>
<p>(21) International Application Number: PCT/US96/07030 (22) International Filing Date: 16 May 1996 (16.05.96)</p> <p>(30) Priority Data: 95870067.6 12 June 1995 (12.06.95) BE 95870134.4 18 December 1995 (18.12.95) BE</p> <p>(71) Applicant (for all designated States except US): THE PROCTER &amp; GAMBLE COMPANY [US/US]; One Procter &amp; Gamble Plaza, Cincinnati, OH 45202 (US).</p> <p>(72) Inventor; and (75) Inventor/Applicant (for US only): EVERS, Marc, Francois, Theophile [BE/BE]; Lakensestraat 37, B-1853 Strombeek-Bever (BE).</p> <p>(74) Agents: REED, T., David et al.; The Procter &amp; Gamble Company, 5299 Spring Grove Avenue, Cincinnati, OH 45217 (US).</p>		<p>(81) Designated States: AU, BR, CA, JP, MX, US.</p> <p><b>Published</b> <i>With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i></p> <p>(88) Date of publication of the international search report: 6 March 1997 (06.03.97)</p>
<p>(54) Title: CLEANING COMPOSITION AND METHOD FOR THE CLEANING OF DELICATE SURFACES</p> <p>(57) Abstract</p> <p>Compositions are disclosed which are suitable for the safe cleaning of delicate surfaces, i.e. marble and painted and lacquered surfaces, e.g. lacquered wooden floors. The compositions disclosed herein comprise at least one surfactant, they are formulated in the mildly acidic to mildly alkaline pH range, they comprise a builder or a combination of builders, and positive divalent ions in amounts so as to saturate the builder in the composition.</p>		

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INTERNATIONAL SEARCH REPORT

International application No.  
PCT/US96/07030

**A. CLASSIFICATION OF SUBJECT MATTER**  
 IPC(6) :C11D 1/02, 1/66, 1/83, 3/04  
 US CL :510/2240, 363, 364, 365, 366, 405, 421, 426, 508  
 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)  
 U.S. : 510/2240, 363, 364, 365, 366, 405, 421, 426, 508

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
 NONE

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
 APS  
 search terms: surfactant, builders, pH, calcium, magnesium

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US, A, 5,298,180 (DIXIT) 29 March 1994, See Abstract; col. 7, lines 5-38; col. 7, line 63 to col. 8, line 5; col. 10, lines 9-58; col. 11, lines 18-28.	1-3
X	US, A, 5,298,195 (BRUMBAUGH) 29 March 1994, See Abstract; col. 2, lines 1-50; col. 3, lines 60-69; col. 6, lines 55-65.	1-3

Further documents are listed in the continuation of Box C.  See patent family annex.

* Special categories of cited documents:	*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
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*P* document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search 08 JANUARY 1997	Date of mailing of the international search report 31 JAN 1997
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PCT/US96/07030

**Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)**

This international 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.: 4-12  
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:

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.