



Europäisches Patentamt
European Patent Office
Office européen des brevets



(11) **EP 1 038 947 A3**

(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
02.01.2002 Bulletin 2002/01

(51) Int Cl.7: **C11D 3/39**

(43) Date of publication A2:
27.09.2000 Bulletin 2000/39

(21) Application number: **00300750.7**

(22) Date of filing: **31.01.2000**

(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

(72) Inventors:
• **Michel, Jacques**
7540 Kain (Tournai) (BE)
• **Chevalier, Olivier**
7610 Rumes (BE)

(30) Priority: **29.01.1999 GB 9901957**

(74) Representative: **Atkinson, Peter Birch et al**
**MARKS & CLERK, Sussex House, 83-85 Mosley
Street**
Manchester M2 3LG (GB)

(71) Applicant: **Yplon S.A.**
7730 Estaimpuis (BE)

(54) **Cleaning formulation**

(57) A liquid cleaning formulation having a pH of less than 6.0 and comprising a surface active agent, hydro-

gen peroxide, and a pH jump system which is a borate and polyhydroxy compound.

EP 1 038 947 A3



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 00 30 0750

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)
X	GB 2 281 744 A (PROCTER & GAMBLE COMPANY) 15 March 1995 (1995-03-15) * page 2, line 24 - line 36 * * page 3, line 8 - page 11, line 2 * * claims 1,2,5,6,8; examples I-IV * ---	1,2, 7-11, 14-16	C11D3/39
X	EP 0 732 394 A (UNILEVER PLC (GB); UNILEVER N.V. (NL)) 18 September 1996 (1996-09-18) * page 3, line 33 - line 51 * * page 4, line 49 - page 5, line 8 * * claim 10; example 13 * ---	1,2, 7-11, 14-18	
X	US 4 992 194 A (LEVERS BROTHERS COMPANY) 12 February 1991 (1991-02-12) * column 2, line 50 - column 3, line 10 * * column 3, line 14 - column 4, line 7 * * column 9, line 40 - column 11, line 62 * * column 12, line 59 - column 13, line 44 * * * claims 1,5-7,9; examples 1,5 * -----	1,2, 7-11, 13-17	
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			C11D
The present search report has been drawn up for all claims			
Place of search MUNICH		Date of completion of the search 8 November 2001	Examiner Diebold, A
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : 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 00 30 0750

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.

08-11-2001

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
GB 2281744	A	15-03-1995	CA	2126382 A1	31-12-1994
			JP	7070593 A	14-03-1995
EP 0732394	A	18-09-1996	EP	0732394 A2	18-09-1996
			US	5776883 A	07-07-1998
US 4992194	A	12-02-1991	CA	2056365 A1	13-12-1990
			DE	69001249 D1	06-05-1993
			DE	69001249 T2	12-08-1993
			WO	9015857 A1	27-12-1990
			EP	0477190 A1	01-04-1992
			ES	2054354 T3	01-08-1994
			US	5073285 A	17-12-1991