FORM PTO-1595 RECORDATION FORM	
PATENTS (ONLY Patent and Trademark Office
To the Director - U.S. Patent and Trademark Office: Please record 1.Name of conveying party(ies):	
Asano, Kaori (05/10/99) Moss, Michael Alan John(06/3	2.Name and address of receiving party(ies):
Askew, Stuart Clive (06/17/99) Murara, Susumu (05/07/99)	· · · · · · · · · · · · · · · · · · ·
Baba, Hajime (05/10/99) Ohtani, Royohei (05/12/99)	Name: The Procter & Gamble Company
Baeck, André Cesar (05/21/99) Okamoto, Mitsuyo (05/13/99)	Internal Address: Attention: Chief Patent Counsel
Bettiol, Jean-Luc (05/27/99) Panandiker, Rajan Keshav(05	5/13/99)
Cripe, Thomas Anthony(05/26/99) Cron, Laura(05/14/99) Pramod, Kakumanu (05/12/99) Sarniak, Khizar Mohamed Kal	99) 6090 Center Hill Road
Dodd, lan Martin(07/02/99) Scheibel, Jeffrey John (05/18/	
Foley, Peter Robert(05/06/99) Thoen, Christiaan Arthur Jaco	
Kamiel (05/14/99) Hartshorn, Richard Timothy(06/07/99) Willman, Kenneth William(6 Speed, Lynda Anne (Jones)(06/15/99)	Additional name(s) & address(es) attached? ☐ Yes ☒ N
Speed, Lynda Anne (Jones)(06/15/99) Katsuda, Rinko (05/11/99) Kvietok, Frank Andrej (05/06/99) Minamikawa, Kaori (05/11/99) Mao, Mark Hsiang-Kuen (05/11/99)	Commence of the second
Kvietok, Frank Andrej (05/06/99) $1/0$, 20	
Minamikawa, Kaori (05/11/99)	DEOEMAR
Mao, Mark Hsiang-Kuen (05/11/99)	DECEIVED
Additional name(s) of conveying party(ies) attached: ☐ Yes ☒ No	
O N	JAN 3 0 2001
3. Nature of conveyance:	
⊠ Assignment ⊔ Merger	
☐ Security Agreement ☐ Change of name	02-22-2001
□ Other	
Execution Date: <u>July 2, 1999 (each party execution date above next</u>	d to name)
4 Application with a (a)	101619844
4.Application number(s) or patent number(s):	
If this document is being filed together with a new application, the	the execution date of the application is:
in this decement is being filed together with a new application, if	the execution date of the application is.
A. Patent Application No(s). 09/295,421	B. Patent No(s).
Date Filed: April 21, 1999	D. Tatent No(s).
P&G Case: 6115MXC	
DOCUMENT ID No.: 101437433	
	rs attached? ☐ Yes ☒ No
5.Name and address of party to whom correspondence concerning	6.Total number of applications and patents involved: [1]
document should be mailed:	
Name: <u>Ian S. Robinson</u>	7. Total fee (37 CFR 3.41):\$40.00
nternal Address: THE PROCTER & GAMBLE COMPANY	□ Enclosed
THE THOUSE IT & GAMBLE CONFAINT	Liciosed
Street Address: Miami Valley Laboratories	Authorized to be charged to deposit account
	and the second s
P. O. Box 538707	
Cincinnati, OH 45253-8707	8. Deposit account number:
	10.0400
001 GTDN11 \00000013 162480 09295421 \	<u>16-2480</u>
	(Attach duplicate copy of this page if paying by deposit account)
81 40.00 CH	(indentically copy of the page in paying by deposit accounty
<u> </u>	
DO NOT USE T	THIS SPACE
•	
9.Statement and signature.	
To the best of my knowledge and belief, the foregoing information	n is true and correct and any attached copy is a true
copy of the original document. C. Brant Cook	instack January 24,2001
	nature Date
	ages including cover sheet, attachments, and documents: [35]
CMB No. 0861-0022 (exp. 4/94)	ages merading cover arrest, attachments, and documents. [35]
· · · · · · · · · · · · · · · · · · ·	

Do not detach this portion

Mail documents to be recorded with required cover sheet information to:

Director, U.S. Patent and Trademark Office
Box Assignments
Washington, D.C. 20231

Public burden reporting for this sample cover sheet is estimated to average about 30 minutes per document to be recorded, including time for reviewing the document and gathering the data needed, and completing and reviewing the excurse sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office of Information Systems, PK2-1000C, Washington, D.C. 20231, and to the Office of Management and Budget, Paperwork Reduction Project (0651-0011), Washington, D.C. 20503

FORM PTO-1595 RECORDATION FORM CO		
PATENTS ONL		
To the Director - U.S. Patent and Trademark Office: Please record the a		
Name of conveying party(ies): Asano, Kaori Moss, Michael Alan John	2.Name and address of receiving party(ies):	
Askew, Stuart Clive Murara, Susumu	Name: The Procter & Gamble Company	
Baba, Hajime Ohtani, Royohei		
Baeck, André Cesar Okamoto, Mitsuyo Bettiol, Jean-Luc Panandiker, Rajan Keshav	Internal Address: <u>Attention: Chief Patent Counsel</u>	
Bettiol, Jean-Luc Panandiker, Rajan Keshav Cripe, Thomas Anthony Pramod, Kakumanu	6090 Center Hill Road	
Cron, Laura Sarniak, Khizar Mohamed Kahn		
Dodd, Ian Martin Scheibel, Jeffrey John Foley, Peter Robert Thoen, Christiaan Arthur Jacques Kamiel	Cincinnati, OH 45224	
Hartshorn, Richard Timothy Willman, Kenneth William	Additional name(s) & address(es) attached? ☐ Yes ☒ No	
Speed, Lynda Anne (Jones)		
Katsuda, Rinko		
Kvietok, Frank Andrej Minamikawa, Kaori		
Mao, Mark Hsiang-Kuen	19-23-00	
Additional name(s) of conveying party(ies) attached: ☐ Yes ☒ No		
3. Nature of conveyance:	11-01-2000	
✓ Assignment □ Merger		
•		
☐ Security Agreement ☐ Change of name	101501563	
□ Other	, 5 / 50 / 363	
Execution Date: July 2, 1999		
4.Application number(s) or patent number(s):	. L	
If this document is being filed together with a new application, the e	xecution date of the application is:	
	and the dependent of the appropriate of the appropr	
A. Patent Application No(s). 09/295,421	B. Patent No(s).	
Date Filed: April 21, 1999 P&G Case: 6115MXC		
DOCUMENT ID No.: 101437433		
Additional numbers att	ached? □ Yes ⊠ No	
T		
5.Name and address of party to whom correspondence concerning	6.Total number of applications and patents involved: [1]	
document should be mailed:		
Name: lan S. Robinson	7. Total fee (37 CFR 3.41):\$40.00	
Internal Address: THE PROCTER & GAMBLE COMPANY	☐ Enclosed	
Street Address: Miami Valley Laboratories	⊠ Authorized to be charged to deposit account	
P. O. Box 538707		
Cincinnati, OH 45253-8707	8. Deposit account number:	
	<u>16-2480</u>	
	(Attach duplicate copy of this page if paying by deposit account)	
DO NOT USE THIS	SPACE	
O Obstance to and all marking		
9.Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true		
copy of the original document.		
C. Brant Cook		
Name of Person Signing Name of Person Signing Total number of pages	e Date sincluding cover sheet, attachments, and documents: [35]	
the state of the s		
CMB No. 0861-0022 (exp. 4/94)		
	this portion	

Mail documents to be recorded with required cover sheet information to:

Director, U.S. Patent and Trademark Office

Box Assignments

Washington, D.C. 20231

Public burden reporting for this sample cover sheet is estimated to average about 30 minutes per document to be recorded, including time to reviewing the document and gathering the data needed, and completing and reviewing the sample cover sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Office of Information Systems, PK2-1000C, Washington, D.C. 20231, and to the Office of Management and Budget, Paperwork Reduction Project (0051-0011), Washington, D.C. 20503

08-19-2000 FORM PTO-1595 U.S. DEPARTMENT OF COMMERCE 101437433 Patent and Trademark Office To the Director - U.S. Patent and Trad documents or copy thereof. 1.Name of conveying party(ies): 7.18.00 2. Name and address of receiving party(ies): Kaori Asano et al. Name: The Procter & Gamble Company Additional name(s) of conveying party(ies) attached: ☐ Yes ☒ No Internal Address: Attention: Chief Patent Counsel 3. Nature of conveyance: 6090 Center Hill Road Assignment Merger Cincinnati, OH 45224 Security Agreement Change of name Additional name(s) & address(es) attached? ☐ Yes ☑ No Other_ Execution Date: July 2, 1999 4.Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is:___ A. Patent Application No(s). 09/295,421 B. Patent No(s). Date Filed: April 21, 1999 P&G Case: 6115MXC 3 Additional numbers attached? ☐ Yes ☑ No 5. Name and address of party to whom correspondence concerning 6. Total number of applications and patents involved: [1] document should be mailed: Name: Ian S. Robinson 7. Total fee (37 CFR 3.41):.....\$40.00 Internal Address: THE PROCTER & GAMBLE COMPANY Enclosed Authorized to be charged to deposit account Street Address: Miami Valley Laboratories P. O. Box 538707 Cincinnati, OH 45253-8707 8. Deposit account number: 16-2480 (Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9.Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true

copy of the original document. lan S. Robinson

Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments, and documents: [35]

CMB No. 0861-0022 (exp. 4/94)

Do not detach this portion

Mail documents to be recorded with required cover sheet information to:

Director, U.S. Patent and Trademark Office

Box Assignments

Washington, D.C. 20231

6115MXCrecord.doc

00000358 162480 08/17/2000 DNGUYEN 40.00 CH 01 FC:581

09295421

ASSIGNMENT

WHEREAS I/we, the following named inventor(s) in this application, have made a certain new and useful invention as set forth in an application for United States Letters Patent entitled ALKOXYLATED CATIONIC DETERGENCY INGREDIENTS, Attorney's Docket No. 6115MXC, Serial No. 09/295,421, filed April 21, 1999 (the hereinafter named assignee being authorized to insert said US Serial Number or Number of International Application designating the US and filing date when ascertained) and also set forth in whole or in part in application Serial No. 09/180,961, filed November 17, 1998, which is the National Phase Entry under 35 USC §371 of PCT International Application Serial No. PCT/US97/08442, filed May 16, 1997 to which said patent application claims priority under 35 USC §120; and United States Provisional Patent Application(s): 60/017,886, filed May 17, 1996 to which said patent application claims priority under Title 35 USC §119(e):

Kaori Asano of Kobe, Country of Japan, executed the above-referenced application on , 1999; Stuart Clive Askew of Newcastle Upon Tyne, Country of England, executed the abovereferenced application on 17th June , 1999;; Hajime Baba of Hyougo-prefecture, Country of Japan, executed the above-referenced application on _ ___, 1999; André Cesar Baeck of Bonheiden, Country of Belgium, executed the above-referenced application on ____ ___, 1999; Jean-Luc Bettiol of Brussels, Country of Belgium, executed the above-referenced application on _____ ___, 1999; Thomas Anthony Cripe of Loveland, County of Hamilton, State of Ohio, executed the above-referenced application on ___ _, 1999; Laura Cron of Fairfield, County of Butler, State of Ohio, executed the above-referenced ____, 1999; application on lan Martin Dodd of Loughborough, Country of England executed the above-referenced ____, 1999; Peter Robert Foley of Cincinnati, County of Hamilton, State of Ohio, executed the abovereferenced application on _________, 1999;
Richard Timothy Hartshofn, of Northumberland, Country of England, executed the above-referenced application on ________, 1999; ___, 1999; Lynda Anne (Jones) Speed, of Newcastle, Country of England, executed the above-referenced application on 5 Tune 1999, Rinko Katsuda of Kobe, Country of Japan, executed the above-referenced application on Frank Andrej Kvietok of Cincinnati, County of Hamilton, State of Ohio, executed the above-referenced application on ______, 1999; Mark Hsiang-Kuen Mao of Kobe, Country of Japan executed the above-referenced _, 1999; Kaori Minamikawa of Hyogo, Country of Japan executed the above-referenced application ___**,** 1999; Michael Alan John Moss, of Rome, Country of Italy, executed the above-referenced application on 30 1999; Susumu Murata of West Chester, County of Butler, State of Ohio, executed the above-_, 1999; Royohei Ohtani of Hyogo, Country of Japan, executed the above-referenced application on ___, 1999; Mitsuyo Okamoto of Hyogo, Country of Japan, executed the above-referenced application __, 1999; on Rajan Keshav Panandiker of West Chester, County of Butler, State of Ohio, executed the above-referenced application on _____ _, 1999; Kakumanu Pramod of West Chester, County of Butler, State of Ohio, executed the abovereferenced application on ________, 1999;
Khizar Mohamed Kahn Sarnaik of Kobe, Country of Japan, executed the above-referenced __, 1999; Jeffrey John Scheibel of Loveland, County of Cleremont, State of Ohio, executed the _____, 1999; above-referenced application on _____ Christiaan Arthur Jacques Kamiel Thoen of West Chester, County of Butler, State of Ohio, executed the above-referenced application on _____ Kenneth William Willman of Fairfield, County of Butler, State of Ohio, executed the above-___, 1999. referenced application on _ I/We made said invention set forth in said patent application and set forth in whole or in part in said provisional application while employed by, or otherwise under an obligation to assign said invention to The

Procter & Gamble Company or one of its Affiliates (including, Procter & Gamble Asia Pacific Ltd.; Procter & Gamble Australia Pty. Ltd.; Procter & Gamble Technology (Beijing) Co., Ltd.; Procter & Gamble Far East, Inc.: Procter & Gamble Hong Kong Ltd.; Procter & Gamble India, Ltd.; Procter & Gamble Indonesia; Procter & Gamble Korea, Inc.; Procter & Gamble Malaysia Sdn. Bhd.; Procter & Gamble Philippines, Inc.; Procter & Gamble Taiwan Ltd; and Procter & Gamble Manufacturing (Thailand) Ltd.) and acknowledge our obligation at the time the invention was made to assign said invention to The Procter & Gamble Company or the Affiliate. respectively. Pursuant to said obligation and (in the case of employment by or obligation to an Affiliate) at the request of the Affiliate, I/we assign to The Procter & Gamble Company, its legal representatives, successors and assigns, the entire right, title and interest, including the right to claim priority of the filing date of said patent application and the filing date of said provisional patent application under international conventions, in said invention as set forth in said patent application as set forth in whole or in part in said provisional patent application, and in all patents of the United States and of any other country which may be issued for said invention, as fully and completely as the same would have been held by me/us had this assignment not been made. The entire right, title and interest shall vest irrevocably in The Procter & Gamble Company. I/We further agree upon request, without additional compensation but at no expense to me/us, to execute or assent to applications in countries other than the United States, and to execute all other legal documents as may be necessary or desirable to vest the enjoyment of the rights assigned to The Procter & Gamble Company, its legal representatives, successors and assigns, or as said Company may direct.

AND I/we request the Commissioner of Patents and Trademarks to issue any Letters Patent of the United States which may be issued for said invention to said The Procter & Gamble Company, its legal representatives, successors or assigns, as the sole owner of the entire right, title, and interest in said patent and the invention covered thereby.

The ASSIGNMENT of said patent application is effective as of the earlier of 1) the date of execution shown below or 2) the filing date of said patent application. The ASSIGNMENT of said provisional patent application(s) is effective as of the filing date(s) of said provisional patent application(s) respectively.

Stuart Clive A	~ ~ 1 1 .	<i>J</i> .
Hajime Baba		
André Cesar E	Baeck	
Jean-Luc Bett	iol	
Thomas Antho	ony Cripe	
Laura Cron		
lan Martin Doo	dd	
Perer Robert F	My	Helph
Richard Timol	_	
Linda Anne (J	dn ne	Speed

Frank Andrej Kvietok

Mark I	Hsiang-Kue	n Mao		
Mid	Minamikaw NGEL Plo el Alan Joh	Sh	Wys	
Susun	nu Murata			
Royoh	ei Ohtani		**************************************	_
Mitsuy	o Okamoto)		
Rajan	Keshav Pa	nandike	Г	
Kakum	nanu Prami	od	-	
Khizar	Mohamed	Kahn Sa	amaik	_
Jeffrey	John Sch	eibel		_
Christi	aan Arthur	Jacques	Kamiel 1	_ Thoen
Kenne	th William	Willman		_

State of Ohio County of Hamilton	<pre>} SS }</pre>
Cripe, to me known to	, 1999, before me personally appeared Thomas Anthony be the person named in and who executed the above instrument, and acknowledged to see same for the uses and purposes therein set forth.
State of Ohio County of Hamilton On this known to be the perso executed the same for	} SS } day of, 1999, before me personally appeared Laura Cron, to me in named in and who executed the above instrument, and acknowledged to me that he the uses and purposes therein set forth.
me known to be the pe	} SS day of, 1999, before me personally appeared Peter Robert Foley, to erson named in and who executed the above instrument, and acknowledged to me that for the uses and purposes therein set forth.
State of Ohio County of Hamilton On this to me known to be the he executed the same	
known to be the person	} SS Aday of, 1999, before me personally appeared Susumu Murata, to me on named in and who executed the above instrument, and acknowledged to me that he rather the uses and purposes therein set forth.

State of Ohio	} ss
County of Hamilton)
On this Panandiker, to me kr acknowledged to me th	day of, 1999, before me personally appeared Rajan Keshav nown to be the person named in and who executed the above instrument, and at he executed the same for the uses and purposes therein set forth.
State of Ohio County of Hamilton	} ss }
On this (day of, 1999, before me personally appeared Kakumanu Pramod, to rson named in and who executed the above instrument, and acknowledged to me that for the uses and purposes therein set forth.
State of Ohio County of Hamilton	} ss }
to me known to be the	day of, 1999, before me personally appeared Jeffrey John Scheibel, person named in and who executed the above instrument, and acknowledged to me that for the uses and purposes therein set forth.
Jacques Kamiel Thoen.	} SS day of, 1999, before me personally appeared Christiaan Arthur, to me known to be the person named in and who executed the above instrument, and at he executed the same for the uses and purposes therein set forth.
State of Ohio County of Hamilton	} ss
On this Willman, to me known to me that he executed	day of, 1999, before me personally appeared Kenneth William to be the person named in and who executed the above instrument, and acknowledged the same for the uses and purposes therein set forth.

State of	}	
County of	} ss 	
known to be the pe	erson named in and	, 1999, before me personally appeared Ian Martin Dodd, to me who executed the above instrument, and acknowledged to me that he roses therein set forth.

Witness to signatures of Invento	ors S.C. Askew, R.T	. Hartshorn and L.A. Speed
	Christine	mc Covonick
Witness to signature of M.A.	J. Moss	
	in form	•

ASSIGNMENT

WHEREAS I/we, the following named inventor(s) in this application, have made a certain new and useful invention as set forth in an application for United States Letters Patent entitled ALKOXYLATED CATIONIC DETERGENCY INGREDIENTS, Attorney's Docket No. 6115MXC, Serial No. 09/295,421, filed April 21, 1999 (the hereinafter named assignee being authorized to insert said US Serial Number or Number of International Application designating the US and filing date when ascertained) and also set forth in whole or in part in application Serial No. 09/180,961, filed November 17, 1998, which is the National Phase Entry under 35 USC §371 of PCT International Application Serial No. PCT/US97/08442, filed May 16, 1997 to which said patent application claims priority under 35 USC §120; and United States Provisional Patent Application(s): 60/017,886, filed May 17, 1996 to which said patent application claims priority under Title 35 USC §119(e): Kaori Asano of Kobe, Country of Japan, executed the above-referenced application on

Stuart Clive Askew of Newcastle Upon Tyne, Country of England, executed the abovereferenced application on _ _____, 1999;; Hajime Baba of Hyougo-prefecture, Country of Japan, executed the above-referenced application on __, 1999; André Cesar Baeck of Bonheiden, Country of Belgium, executed the above-referenced __, 1999; application on _____ Jean-Luc Bettiol of Brussels, Country of Belgium, executed the above-referenced application on ___ ___, 1999; Thomas Anthony Cripe of Loveland, County of Hamilton, State of Ohio, executed the above-referenced application on , 1999; Laura Cron of Fairfield, County of Butler, State of Ohio, executed the above-referenced , 1999; application on _ lan Martin Dodd of Loughborough, Country of England executed the above-referenced application on A F July 1999; X Peter Robert Foley of Cincinnati, County of Hamilton, State of Ohio, executed the above-_, 1999: referenced application on ______ Richard Timothy Hartshorn, of Northumberland, Country of England, executed the abovereferenced application on _____ ___, 1999; Lynda Anne (Jones) Speed, of Newcastle, Country of England, executed the abovereferenced application on _____, 1999; Rinko Katsuda of Kobe, Country of Japan, executed the above-referenced application on __, 1999. Frank Andrej Kvietok of Cincinnati, County of Hamilton, State of Ohio, executed the ____, 1999; above-referenced application on _____ Mark Hsiang-Kuen Mao of Kobe, Country of Japan executed the above-referenced , 1999; Kaori Minamikawa of Hyogo, Country of Japan executed the above-referenced application __, 1999: on Michael Alan John Moss, of Rome, Country of Italy, executed the above-referenced ____, 1999; application on _____ Susumu Murata of West Chester, County of Butler, State of Ohio, executed the above-, 1999; referenced application on _____ Royohei Ohtani of Hyogo, Country of Japan, executed the above-referenced application on ____, 1999; Mitsuyo Okamoto of Hyogo, Country of Japan, executed the above-referenced application ___, 1999: on _ Rajan Keshav Panandiker of West Chester, County of Butler, State of Ohio, executed the above-referenced application on _____ __, 1999; Kakumanu Pramod of West Chester, County of Butler, State of Ohio, executed the above-**___,** 1999; referenced application on _____ Khizar Mohamed Kahn Sarnaik of Kobe, Country of Japan, executed the above-referenced application on ___ ____, 1999; Jeffrey John Scheibel of Loveland, County of Cleremont, State of Ohio, executed the _____, 1999; above-referenced application on Christiaan Arthur Jacques Kamiel Thoen of West Chester, County of Butler, State of _, 1999; Ohio, executed the above-referenced application on _____ Kenneth William Willman of Fairfield, County of Butler, State of Ohio, executed the abovereferenced application on _______, 1999.

I/We made said invention set forth in said patent application and set forth in whole or in part in said

provisional application while employed by, or otherwise under an obligation to assign said invention to The

Procter & Gamble Company or one of its Affiliates (including, Procter & Gamble Asia Pacific Ltd.; Procter & Gamble Australia Pty. Ltd.; Procter & Gamble Technology (Beijing) Co., Ltd.; Procter & Gamble Far East, Inc.; Procter & Gamble Hong Kong Ltd.; Procter & Gamble India, Ltd.; Procter & Gamble Indonesia; Procter & Gamble Korea, Inc.; Procter & Gamble Malaysia Sdn. Bhd.; Procter & Gamble Philippines, Inc.; Procter & Gamble Taiwan Ltd; and Procter & Gamble Manufacturing (Thailand) Ltd.) and acknowledge our obligation at the time the invention was made to assign said invention to The Procter & Gamble Company or the Affiliate, respectively. Pursuant to said obligation and (in the case of employment by or obligation to an Affiliate) at the request of the Affiliate, I/we assign to The Procter & Gamble Company, its legal representatives, successors and assigns, the entire right, title and interest, including the right to claim priority of the filing date of said patent application and the filing date of said provisional patent application under international conventions, in said invention as set forth in said patent application as set forth in whole or in part in said provisional patent application, and in all patents of the United States and of any other country which may be issued for said invention, as fully and completely as the same would have been held by me/us had this assignment not been made. The entire right, title and interest shall vest irrevocably in The Procter & Gamble Company. I/We further agree upon request, without additional compensation but at no expense to me/us, to execute or assent to applications in countries other than the United States, and to execute all other legal documents as may be necessary or desirable to vest the enjoyment of the rights assigned to The Procter & Gamble Company, its legal representatives, successors and assigns, or as said Company may direct.

AND I/we request the Commissioner of Patents and Trademarks to issue any Letters Patent of the United States which may be issued for said invention to said The Procter & Gamble Company, its legal representatives, successors or assigns, as the sole owner of the entire right, title, and interest in said patent and the invention covered thereby.

The ASSIGNMENT of said patent application is effective as of the earlier of 1) the date of execution shown below or 2) the filing date of said patent application. The ASSIGNMENT of said provisional patent application(s) is effective as of the filing date(s) of said provisional patent application(s) respectively.

Kaori Asano
Stuart Clive Askew
Hajime Baba
,
André Cesar Baeck
Jean-Luc Bettiol
Scall-Edd Bettion
Therese Asthern Ode
Thomas Anthony Cripe
Laura Cron MAN DIA
lan Martin Dodd
1
Peter Robert Foley
Richard Timothy Hartshorn
Linda Anne (Jones) Speed
Rinko Katsuda

Frank Andrej Kvietok

Mark Hsiang-Kuen Mao
Kaori Minamikawa
Michael Alan John Moss
Susumu Murata
Royohei Ohtani
Mitsuyo Okamoto
Rajan Keshav Panandiker
Kakumanu Pramod
Khizar Mohamed Kahn Samaik
Jeffrey John Scheibel
Christiaan Arthur Jacques Kamiel Thoe
Kenneth William Willman

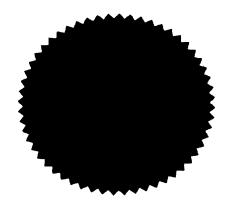
State of Ohio County of Hamilton	} } SS }
Cripe, to me known to	day of, 1999, before me personally appeared Thomas Anthony be the person named in and who executed the above instrument, and acknowledged to e same for the uses and purposes therein set forth.
State of Ohio County of Hamilton On this known to be the person executed the same for	} SS } day of, 1999, before me personally appeared Laura Cron, to me n named in and who executed the above instrument, and acknowledged to me that he the uses and purposes therein set forth.
State of Ohio County of Hamilton On this me known to be the pe he executed the same to	} } SS } day of, 1999, before me personally appeared Peter Robert Foley, to erson named in and who executed the above instrument, and acknowledged to me that for the uses and purposes therein set forth.
State of Ohio County of Hamilton On this to me known to be the place and the same to	
State of Ohio County of Hamilton On this of the persone executed the same for	} SS day of, 1999, before me personally appeared Susumu Murata, to me n named in and who executed the above instrument, and acknowledged to me that he the uses and purposes therein set forth.

State of Ohio County of Hamilton	<pre>} } ss }</pre>
Panandiker, to me ki	, 1999, before me personally appeared Rajan Keshav nown to be the person named in and who executed the above instrument, and at he executed the same for the uses and purposes therein set forth.
	} SS } day of, 1999, before me personally appeared Kakumanu Pramod, to erson named in and who executed the above instrument, and acknowledged to me that for the uses and purposes therein set forth.
to me known to be the	} SS } day of, 1999, before me personally appeared Jeffrey John Scheibel, person named in and who executed the above instrument, and acknowledged to me that for the uses and purposes therein set forth.
State of Ohio County of Hamilton On this Jacques Kamiel Thoen acknowledged to me th	} SS } day of, 1999, before me personally appeared Christiaan Arthur, to me known to be the person named in and who executed the above instrument, and at he executed the same for the uses and purposes therein set forth.
State of Ohio County of Hamilton On this Willman, to me known to me that he executed	} SS } day of, 1999, before me personally appeared Kenneth William to be the person named in and who executed the above instrument, and acknowledged the same for the uses and purposes therein set forth.

State of UNIZED KINGS County of Persy

On this 2^{-9} day of 3^{-1} , 1999, before me personally appeared Ian Martin Dodd, to me known to be the person named in and who executed the above instrument, and appeared to me that he

executed the same for the uses and purposes therein set forth.



M/G. JINKS

64 FRIAR GATE DERBY DE1 1DJ

ENGLAND

NOTARY PUBLIC & SOLICITOR

TEL: 01332 348791 FAX: 01332 739063

ASSIGNMENT

WHEREAS I/we, the following named inventor(s) in this application, have made a certain new and useful invention as set forth in an application for United States Letters Patent entitled ALKOXYLATED CATIONIC DETERGENCY INGREDIENTS, Attorney's Docket No. 6115MXC, Serial No. 09/295,421, filed April 21, 1999 (the hereinafter named assignee being authorized to insert said US Serial Number or Number of International Application designating the US and filing date when ascertained) and also set forth in whole or in part in application Serial No. 09/180,961, filed November 17, 1998, which is the National Phase Entry under 35 USC §371 of PCT International Application Serial No. PCT/US97/08442, filed May 16, 1997 to which said patent application claims priority under 35 USC §120; and United States Provisional Patent Application(s): 60/017,886, filed May 17, 1996 to which said patent application claims priority under Title 35 USC §119(e): Kaori Asano of Kobe, Country of Japan, executed the above-referenced application on __, 1999: Stuart Clive Askew of Newcastle Upon Tyne, Country of England, executed the abovereferenced application on _, 1999;: Hajime Baba of Hyougo-prefecture, Country of Japan, executed the above-referenced application on _, 1999; André Cesar Baeck of Bonheiden, Country of Belgium, executed the above-referenced __, 1999; Jean-Luc Bettiol of Brussels, Country of Belgium, executed the above-referenced _, 1999: Thomas Anthony Cripe of Loveland, County of Hamilton, State of Ohio, executed the above-referenced application on <u>May 26</u>, 1999; Laura Cron of Fairfield, County of Butler, State of Ohio, executed the above-referenced application on May 14 ___, 1999; lan Martin Dodd of Loughborough, Country of England executed the above-referenced _, 1999: application on Peter Robert Foley of Cincinnati, County of Hamilton, State of Ohio, executed the above-____, 1999; Richard Timothy Hartshorn, of Northumberland, Country of England, executed the abovereferenced application on _____ _, 1999; Lynda Anne (Jones) Speed, of Newcastle, Country of England, executed the abovereferenced application on ______, 1999; Rinko Katsuda of Kobe, Country of Japan, executed the above-referenced application on **,** 1999. Frank Andrej Kvietok of Cincinnati, County of Hamilton, State of Ohio, executed the Mark Hsiang-Kuen Mao of Kobe, Country of Japan executed the above-referenced _, 1999: application on Kaori Minamikawa of Hyogo, Country of Japan executed the above-referenced application _, 1999: Michael Alan John Moss, of Rome, Country of Italy, executed the above-referenced application on ____, 1999; Susumu Murata of West Chester, County of Butler, State of Ohio, executed the above-Royohei Ohtani of Hyogo, Country of Japan, executed the above-referenced application on _, 1999; Mitsuyo Okamoto of Hyogo, Country of Japan, executed the above-referenced application on __, 1999; Rajan Keshav Panandiker of West Chester, County of Butler, State of Ohio, executed the Kakumanu Pramod of West Chester, County of Butler, State of Ohio, executed the abovereferenced application on May 2, 1999; Khizar Mohamed Kahn Sarnaik of Kobe, Country of Japan, executed the above-referenced _, 1999; application on _ Jeffrey John Scheibel of Loveland, County of Cleremont, State of Ohio, executed the above-referenced application on 190 at 18 , 1999;
Christiaan Arthur Jacques Kamiel Thoen of West Chester, County of Butler, State of Kenneth William Willman of Fairfield, County of Butler, State of Ohio, executed the abovereferenced application on <u>Jule 7</u>, 1999. I/We made said invention set forth in said patent application and set forth in whole or in part in said

provisional application while employed by, or otherwise under an obligation to assign said invention to The

Procter & Gamble Company or one of its Affiliates (including, Procter & Gamble Asia Pacific Ltd.; Procter & Gamble Australia Pty. Ltd.; Procter & Gamble Technology (Beijing) Co., Ltd.; Procter & Gamble Far East, Inc.; Procter & Gamble Hong Kong Ltd., Procter & Gamble India, Ltd., Procter & Gamble Indonesia, Procter & Gamble Korea, Inc.; Procter & Gamble Malaysia Sdn. Bhd.; Procter & Gamble Philippines, Inc.; Procter & Gamble Taiwan Ltd; and Procter & Gamble Manufacturing (Thailand) Ltd.) and acknowledge our obligation at the time the invention was made to assign said invention to The Procter & Gamble Company or the Affiliate, respectively. Pursuant to said obligation and (in the case of employment by or obligation to an Affiliate) at the request of the Affiliate, I/we assign to The Procter & Gamble Company, its legal representatives, successors and assigns, the entire right, title and interest, including the right to claim priority of the filing date of said patent application and the filing date of said provisional patent application under international conventions, in said invention as set forth in said patent application as set forth in whole or in part in said provisional patent application, and in all patents of the United States and of any other country which may be issued for said invention, as fully and completely as the same would have been held by me/us had this assignment not been made. The entire right, title and interest shall vest irrevocably in The Procter & Gamble Company. I/We further agree upon request, without additional compensation but at no expense to me/us, to execute or assent to applications in countries other than the United States, and to execute all other legal documents as may be necessary or desirable to vest the enjoyment of the rights assigned to The Procter & Gamble Company, its legal representatives, successors and assigns, or as said Company may direct.

AND I/we request the Commissioner of Patents and Trademarks to issue any Letters Patent of the United States which may be issued for said invention to said The Procter & Gamble Company, its legal representatives, successors or assigns, as the sole owner of the entire right, title, and interest in said patent and the invention covered thereby.

The ASSIGNMENT of said patent application is effective as of the earlier of 1) the date of execution shown below or 2) the filing date of said patent application. The ASSIGNMENT of said provisional patent application(s) is effective as of the filing date(s) of said provisional patent application(s) respectively.

Kaori Asano
Stuart Clive Askew
Hajime Baba
André Cesar Baeck
Jean-Luc Bettiol
There arthur Eng
Thomas Anthony Cripe Laura Cum
Peter Robert Foley
Peter Robert Foley
Richard Timothy Hartshom
Linda Anne (Jones) Speed
Pinko Katsuda

Frank Andrei Kvietok

Mark Hsiang-Kuen Mao
Kaori Minamikawa
Michael Alan John Moss
Susumu Murata
Royohei Ohtani
Mitsuyo Okamoto
Rajan Keshav Panandiker
Kakumanu Pramod
Nakamana i famou
Khizar Mohamed Kahn Samaik
Jeffrey John Scheibel
Christiaan Arthur Jacques Kamiel Thoen
Kenneth William Willman

State of Ohio }	
} SS County of Hamilton }	
On this 26 day of, 199 Cripe, to me known to be the person named in and who me that he executed the same for the uses and purposes	9, before me personally appeared Thomas Anthony executed the above instrument, and acknowledged to s therein set forth.
	Diane Trances Formson
	DIANE FRANCES ROBINSON
State of Ohio }	Notary Public, State of Ohio My Commission Expires Feb. 15, 2002
} SS County of Hamilton }	
known to be the person named in and who executed th	
executed the same for the uses and purposes therein se	
	I care Trances formso
	DIANE FRANCES ROBINSON
State of Ohio } } SS	Notary Public, State of Ohio My Commission Expires Feb. 15, 2002
County of Hamilton }	
On this day of, 1999, me known to be the person named in and who execute he executed the same for the uses and purposes therein	
with a I A L	
Secretary A.	Fren D. Huffer
State of Ohio }	KAREN L. PFEIFFER VI
SS County of Hamilton	My Commission Expires Sept. 15, 2002
On this 1 day of M run 1900	before me personally appeared Frank Andrej Kvietok,
to me known to be the person named in and who executed he executed the same for the uses and purposes therein state of Ohio State of Ohio SS	
	foren I kkeeffer
	KAREN L. PFEHETER
State of Ohio }	KAREN L. PFEIFTER Note: Footback State of Object My monotonia Expires Saut. 15, 70.22
County of Hamilton }	Es.
On this day of, 1999, known to be the person named in and who executed the executed the same for the uses and purposes therein se	
Strate of the strategy of the	Jones L. Philips
	Nature Funding States of the second
	My was much as diginal digital (2)
Carin E OF	ARREAGE.

State of Ohio	} }		
County of Hamilton	}		
On this 13 Panandiker, to me k acknowledged to me th	_ day of, nown to be the person name that he executed the same for the	ned in and who executed	ally appeared Rajan Keshav the above instrument, and n set forth.
	THE TALL SE		IRGINIA C. BYRD
State of Ohio County of Hamilton	ss	N 5	ry Public, State of Office mission Expires Oct. 2, 2 <u>000</u>
	day of Mary JF OH	kur 99, before me personally ap _l	peared Kakumanu Pramod, to
me known to be the pe he executed the same	erson named in and who executed the uses and purposes in the uses and purposes in the uses and purposes in the control of the uses and purposes in the control of the contr	uied, ine above instrument.	and acknowledged to me that
	* A STATE OF THE S	* My	INIA C. BYRD
State of Ohio	} ss	Notary Notary	Public, State of Ohio
County of Hamilton	A THURST	OHIO MANAGEMENT	ission Expires Oct. 2, 2000
to me known to be the	day of, 199 person named in and who exe for the uses and purposes the	cuted the above instrument,	peared Jeffrey John Scheibel, and acknowledged to me that
		Diane Tra	ences Horenson
State of Ohio	} } SS	Notary Public	CES ROBINSON C. State of Ohio Expires Feb. 15, 2002
County of Hamilton	<i>i M</i>		
On this /// Jacques Kamiel Thoen acknowledged to me th	day of $\frac{\sqrt{ \omega }}{ \omega }$, to me known to be the personat he executed the same for the	n named in and who execut	appeared Christiaan Arthur ed the above instrument, and n set forth.
		Diane Tru	mees tolinson
State of Ohio	} } ss	Notary Publ	NCES ROBINSON Ic, State of Ohio Expires Feb. 15, 2002
County of Hamilton	}		
Willman, to me known	to be the person named in and the same for the uses and put	d who executed the above in	y appeared Kenneth William nstrument, and acknowledged
		pappyd	balus)

POPPY D. BAHRS
Notary Public, State of Ohio
My Comunication Expires Apr. 24, 2004

State of	}			
County of) ss			
known to be t		who executed the at	bove instrument, and ack	ed Ian Martin Dodd, to me nowledged to me that he

ASSIGNMENT

WHEREAS I/we, the following named inventor(s) in this application, have made a certain new and useful invention as set forth in an application for United States Letters Patent entitled ALKOXYLATED CATIONIC DETERGENCY INGREDIENTS, Attorney's Docket No. 6115MXC, Serial No. 09/295,421, filed April 21, 1999 (the hereinafter named assignee being authorized to insert said US Serial Number or Number of International Application designating the US and filing date when ascertained) and also set forth in whole or in part in application Serial No. 09/180,961, filed November 17, 1998, which is the National Phase Entry under 35 USC §371 of PCT International Application Serial No. PCT/US97/08442, filed May 16, 1997 to which said patent application claims priority under 35 USC §120; and United States Provisional Patent Application(s): 60/017,886. filed May 17, 1996 to which said patent application claims priority under Title 35 USC §119(e): Kaori Asano of Kobe, Country of Japan, executed the above-referenced application on , 1999 Stuart Clive Askew of Newcastle Upon Tyne, Country of England, executed the abovereferenced application on ___ _____, 1999;; Hajime Baba of Hyougo-prefecture, Country of Japan, executed the above-referenced application on _____, 1999; André Cesar Baeck of Bonheiden, Country of Belgium, executed the above-referenced application on <u>May 21</u>, 1999; Jean-Luc Philippe Bettiol of Brussels, Country of Belgium, executed the above-referenced application on <u>May 27</u>, 1999; Thomas Anthony Cripe of Loveland, County of Hamilton, State of Ohio, executed the abovereferenced application on __, 1999; Laura Cron of Fairfield, County of Butler, State of Ohio, executed the above-referenced application on _________, 1999;
Ian Martin Dodd of Loughborough, Country of England executed the above-referenced Peter Robert Foley of Cincinnati, County of Hamilton, State of Ohio, executed the abovereferenced application on ________, 1999;
Richard Timothy Hartshorn, of Northumberland, Country of England, executed the above-___, 1999; referenced application on _____ Lynda Anne (Jones) Speed, of Newcastle, Country of England, executed the abovereferenced application on ______, 1999; Rinko Katsuda of Kobe, Country of Japan, executed the above-referenced application on ___, 1999. Frank Andrej Kvietok of Cincinnati, County of Hamilton, State of Ohio, executed the above-___, 1999; referenced application on _____ Mark Hsiang-Kuen Mao of Kobe, Country of Japan executed the above-referenced , 1999; Kaori Minamikawa of Hyogo, Country of Japan executed the above-referenced application on Michael Alan John Moss, of Rome, Country of Italy, executed the above-referenced ____, 1999; application on _____ Susumu Murata of West Chester, County of Butler, State of Ohio, executed the abovereferenced application on ______, 1999; Royohei Ohtani of Hyogo, Country of Japan, executed the above-referenced application on ___, 1999; Mitsuyo Okamoto of Hyogo, Country of Japan, executed the above-referenced application on Rajan Keshav Panandiker of West Chester, County of Butler, State of Ohio, executed the above-referenced application on ______, 1999; Kakumanu Pramod of West Chester, County of Butler, State of Ohio, executed the above-application on ______, 1999; Jeffrey John Scheibel of Loveland, County of Cleremont, State of Ohio, executed the above-____, 1999; referenced application on _____ Christiaan Arthur Jacques Kamiel Thoen of West Chester, County of Butler, State of Ohio, ___, 1999; executed the above-referenced application on ___

Kenneth William Willman of Fairfield, County of Butler, State of Ohio, executed the above-

referenced application on ______, 1999.

I/We made said invention set forth in said patent application and set forth in whole or in part in said provisional application while employed by, or otherwise under an obligation to assign said invention to The Procter & Gamble Company or one of its Affiliates (including, Procter & Gamble Asia Pacific Ltd.: Procter & Gamble Australia Pty. Ltd.; Procter & Gamble Technology (Beijing) Co., Ltd.; Procter & Gamble Far East, Inc.; Procter & Gamble Hong Kong Ltd.; Procter & Gamble India, Ltd.; Procter & Gamble Indonesia; Procter & Gamble Korea, Inc.; Procter & Gamble Malaysia Sdn. Bhd.; Procter & Gamble Philippines, Inc.; Procter & Gamble Taiwan Ltd; and Procter & Gamble Manufacturing (Thailand) Ltd.) and acknowledge our obligation at the time the invention was made to assign said invention to The Procter & Gamble Company or the Affiliate. respectively. Pursuant to said obligation and (in the case of employment by or obligation to an Affiliate) at the request of the Affiliate, I/we assign to The Procter & Gamble Company, its legal representatives, successors and assigns, the entire right, title and interest, including the right to claim priority of the filing date of said patent application and the filing date of said provisional patent application under international conventions, in said invention as set forth in said patent application as set forth in whole or in part in said provisional patent application, and in all patents of the United States and of any other country which may be issued for said invention, as fully and completely as the same would have been held by me/us had this assignment not been made. The entire right, title and interest shall vest irrevocably in The Procter & Gamble Company. I/We further agree upon request, without additional compensation but at no expense to me/us, to execute or assent to applications in countries other than the United States, and to execute all other legal documents as may be necessary or desirable to vest the enjoyment of the rights assigned to The Procter & Gamble Company, its legal representatives, successors and assigns, or as said Company may direct.

AND I/we request the Commissioner of Patents and Trademarks to issue any Letters Patent of the United States which may be issued for said invention to said The Procter & Gamble Company, its legal representatives, successors or assigns, as the sole owner of the entire right, title, and interest in said patent and the invention covered thereby.

The ASSIGNMENT of said patent application is effective as of the earlier of 1) the date of execution shown below or 2) the filing date of said patent application. The ASSIGNMENT of said provisional patent application(s) is effective as of the filing date(s) of said provisional patent application(s) respectively.

Kad	ori Asano
Stu	art Clive Askew
Haj	ime Baba
	MALLY)
And	dré Kesar Baleek
	2 tho
Jea	an-Luc Philippe Bettiol
The	omas Anthony Cripe
Lau	ura Cron
lan	Martin Dodd
Pe	ter Robert Foley
Ric	chard Timothy Hartshorn

Linda Anne (Jones) Speed
Rinko Katsuda
Frank Andrej Kvietok
Mark Hsiang-Kuen Mao
Kaori Minamikawa
Michael Alan John Moss
Susumu Murata
Royohei Ohtani
Mitsuyo Okamoto
Rajan Keshav Panandiker
Kakumanu Pramod
Khizar Mohamed Kahn Sarnaik
Jeffrey John Scheibel
Christiaan Arthur Jacques Kamiel Thoen
Kenneth William Willman

} } SS	
day ofe e person named e for the uses an	, 1999, before me personally appeared Thomas Anthony Cripe in and who executed the above instrument, and acknowledged to me that purposes therein set forth.
} } SS } day of on named in and preference and	, 1999, before me personally appeared Laura Cron, to med who executed the above instrument, and acknowledged to me that he urposes therein set forth.
erson named in a	, 1999, before me personally appeared Peter Robert Foley, to and who executed the above instrument, and acknowledged to me that he irposes therein set forth.
	, 1999, before me personally appeared Frank Andrej Kvietok, to and who executed the above instrument, and acknowledged to me that he arposes therein set forth.
on named in an	, 1999, before me personally appeared Susumu Murata, to me I who executed the above instrument, and acknowledged to me that he rposes therein set forth.
	day of e person named a for the uses and put of } SS } day of erson named in and the uses and put of erson named in a the uses and put of erson named in a the uses and put of erson named in a the uses and put of erson named in and erson named in and

State of Ohio	} } SS
County of Hamilton	;
Panandiker, to me	
State of Ohio County of Hamilton On this	} SS } day of, 1999, before me personally appeared Kakumanu Pramod, to erson named in and who executed the above instrument, and acknowledged to me that he
	r the uses and purposes therein set forth.
to me known to be the	} SS day of, 1999, before me personally appeared Jeffrey John Scheibel, e person named in and who executed the above instrument, and acknowledged to me that e for the uses and purposes therein set forth.
State of Ohio County of Hamilton	} } SS }
	day of, 1999, before me personally appeared Christiaan Arthuren, to me known to be the person named in and who executed the above instrument, and that he executed the same for the uses and purposes therein set forth.
State of Ohio	} } SS }
County of Hamilton	j
On this Willman, to me knowr me that he executed t	day of, 1999, before me personally appeared Kenneth William to be the person named in and who executed the above instrument, and acknowledged to the same for the uses and purposes therein set forth.

State of	}		
County of	} SS }		
known to be the pe	rson named in an	, 1999, before me personally appeared Ian M d who executed the above instrument, and acknowledg proses therein set forth.	

ASSIGNMENT

WHEREAS I/we, the following named inventor(s) in this application, have made a certain new and useful invention as set forth in an application for United States Letters Patent entitled ALKOXYLATED CATIONIC DETERGENCY INGREDIENTS, Attorney's Docket No. 6115MXC, Serial No. 09/295,421, filed April 21, 1999 (the hereinafter named assignee being authorized to insert said US Serial Number or Number of International Application designating the US and filing date when ascertained) and also set forth in whole or in part in application Serial No. 09/180,961, filed November 17, 1998, which is the National Phase Entry under 35 USC §371 of PCT International Application Serial No. PCT/US97/08442, filed May 16, 1997 to which said patent application claims priority under 35 USC §120; and United States Provisional Patent Application(s): 60/017,886, filed May 17, 1996 to which said patent application claims priority under Title 35 USC §119(e):

filed May 17, 1996 to which said patent application claims priority under Title 35 USC §119(e): Kaori Asano of Kobe, Country of Japan, executed the above-referenced application on May 10, 1999 , 1999; Stuart Clive Askew of Newcastle Upon Tyne, Country of England, executed the abovereferenced application on , 1999; Hajime Baba of Hyougo-prefecture, Country of Japan, executed the above-referenced application on <u>Myeu 10 1999</u>, 1999;

André César Baeck of Bonheiden, Country of Belgium, executed the above-referenced _, 1999: Jean-Luc Bettiol of Brussels, Country of Belgium, executed the above-referenced application ____, 1999; Thomas Anthony Cripe of Loveland, County of Hamilton, State of Ohio, executed the above-application on _____ , 1999; lan Martin Dodd of Loughborough, Country of England executed the above-referenced __, 1999; application on _____ Peter Robert Foley of Cincinnati, County of Hamilton, State of Ohio, executed the abovereferenced application on ______, 1999; Richard Timothy Hartshorn, of Northumberland, Country of England, executed the abovereferenced application on _____, 1999; Lynda Anne (Jones) Speed, of Newcastle, Country of England, executed the abovereferenced application on __ ____, 1999; Rinko Katsuda of Kobe, Country of Japan, executed the above-referenced application on Frank Andrej Kvietok of Cincinnati, County of Hamilton, State of Ohio, executed the abovereferenced application on _____ ____, 1999; Mark Hsiang-Kuen Mao of Kobe, Country of Japan executed the above-referenced application on <u>Muse 11</u>, 1999; Kaori Minamikawa of Hyogo, Country of Japan executed the above-referenced application on Mau 11 , 1999; Michael Alan John Moss, of Rome, Country of Italy, executed the above-referenced **, 1999**; Susumu Murata of West Chester, County of Butler, State of Ohio, executed the abovereferenced application on **_, 1999**; Royohei Ohtani of Hyogo, Country of Japan, executed the above-referenced application on **Mitsuyo Okamoto** of Hyogo, Country of Japan, executed the above-referenced application on May 13 , 1999; Rajan Keshav Panandiker of West Chester, County of Butler, State of Ohio, executed the above-referenced application on _____ ____, 1999; Kakumanu Pramod of West Chester, County of Butler, State of Ohio, executed the above-**____, 1999**; referenced application on Khizar Mohamed Kahn Sarnaik of Kobe, Country of Japan, executed the above-referenced application on May 12 , 1999; Jeffrey John Scheibel of Loveland, County of Cleremont, State of Ohio, executed the abovereferenced application on _____, 1999; Christiaan Arthur Jacques Kamiel Thoen of West Chester, County of Butler, State of Ohio, executed the above-referenced application on _______, 1999; Kenneth William Willman of Fairfield, County of Butler, State of Ohio, executed the abovereferenced application on ______, 1999.

I/We made said invention set forth in said patent application and set forth in whole or in part in said provisional application while employed by, or otherwise under an obligation to assign said invention to The Procter & Gamble Company or one of its Affiliates (including, Procter & Gamble Asia Pacific Ltd.; Procter & Gamble Australia Pty. Ltd.; Procter & Gamble Technology (Beijing) Co., Ltd.; Procter & Gamble Far East, Inc.; Procter & Gamble Hong Kong Ltd.; Procter & Gamble India, Ltd.; Procter & Gamble Indonesia; Procter & Gamble Korea, Inc.; Procter & Gamble Malaysia Sdn. Bhd.; Procter & Gamble Philippines, Inc.; Procter & Gamble Taiwan Ltd; and Procter & Gamble Manufacturing (Thailand) Ltd.) and acknowledge our obligation at the time the invention was made to assign said invention to The Procter & Gamble Company or the Affiliate, respectively. Pursuant to said obligation and (in the case of employment by or obligation to an Affiliate) at the request of the Affiliate, I/we assign to The Procter & Gamble Company, its legal representatives, successors and assigns, the entire right, title and interest, including the right to claim priority of the filing date of said patent application and the filing date of said provisional patent application under international conventions, in said invention as set forth in said patent application as set forth in whole or in part in said provisional patent application, and in all patents of the United States and of any other country which may be issued for said invention, as fully and completely as the same would have been held by me/us had this assignment not been made. The entire right, title and interest shall vest irrevocably in The Procter & Gamble Company. I/We further agree upon request, without additional compensation but at no expense to me/us, to execute or assent to applications in countries other than the United States, and to execute all other legal documents as may be necessary or desirable to vest the enjoyment of the rights assigned to The Procter & Gamble Company, its legal representatives, successors and assigns, or as said Company may direct.

AND I/we request the Commissioner of Patents and Trademarks to issue any Letters Patent of the United States which may be issued for said invention to said The Procter & Gamble Company, its legal representatives, successors or assigns, as the sole owner of the entire right, title, and interest in said patent and the invention covered thereby.

The ASSIGNMENT of said patent application is effective as of the earlier of 1) the date of execution shown below or 2) the filing date of said patent application. The ASSIGNMENT of said provisional patent application(s) is effective as of the filing date(s) of said provisional patent application(s) respectively.

Kaon asawo
Kaori Asano
Stuart Clive Askew
Hajime Baba
riajinie baba
André Cesar Baeck
Jean-Luc Bettiol
Thomas Anthony Cripe
Laura Cron
lan Martin Dodd
Peter Robert Foley
Richard Timothy Hartshorn

Linda Anne (Jones) Speed
Rinko Katsuda
Rinko Katsuda
Frank Andrej Kvietok
Mark Hsiang-Kuen Mao
Mark Hsiang-Kuen Mao
Kaori Minamikawa
Káori Minamikawa
Michael Alan John Moss
Susumu Murata
Royohei Ohtani
Royohei Ohtani
THE / In Clot
Royohei Ohtani Altt Mitsuyo Okamoto
Rajan Keshav Panandiker
Kakumanu Pramod
Rakumanu Framod
Khizal Mohamed Kahn Sarnaik
Kilizar Wollamed Kaliff Samark
Jeffrey John Scheibel
James John Johnson
Christiaan Arthur Jacques Kamiel Thoen
2
Kenneth William Willman

State of Ohio County of Hamilton	} } SS }			
On this to me known to be the	day of, person named in and who for the uses and purposes	1999, before me pe executed the above therein set forth.	rsonally appeared Thomas A instrument, and acknowledg	nthony Cripe, ed to me that
known to be the person	day of	cuted the above inst	personally appeared Laura rument, and acknowledged	Cron, to me to me that he
			ersonally appeared Peter Ro strument, and acknowledged	bert Foley, to to me that he
me known to be the pe	} } SS } day of, erson named in and who ex the uses and purposes the	ecuted the above ins	rsonally appeared Frank And strument, and acknowledged	rej Kvietok, to to me that he
State of Ohio County of Hamilton On this known to be the persexecuted the same for		1999, before me pe cuted the above inst rein set forth.	ersonally appeared Susumu trument, and acknowledged	Murata, to me to me that he

State of Ohio County of Hamilton	} ss
On this Panandiker, to me l	, 1999, before me personally appeared Rajan Keshav known to be the person named in and who executed the above instrument, and hat he executed the same for the uses and purposes therein set forth.
me known to be the pe	} } SS } day of, 1999, before me personally appeared Kakumanu Pramod, to erson named in and who executed the above instrument, and acknowledged to me that he the uses and purposes therein set forth.
to me known to be the	} } SS } day of, 1999, before me personally appeared Jeffrey John Scheibel, e person named in and who executed the above instrument, and acknowledged to me that for the uses and purposes therein set forth.
	} } SS _ day of, 1999, before me personally appeared Christiaan Arthur n, to me known to be the person named in and who executed the above instrument, and hat he executed the same for the uses and purposes therein set forth.
State of Ohio County of Hamilton On this Willman, to me known me that he executed the	} } SS } day of, 1999, before me personally appeared Kenneth William to be the person named in and who executed the above instrument, and acknowledged to he same for the uses and purposes therein set forth.

State of	}		
County of	} SS }		
known to be the	day of e person named in and ame for the uses and pur	who executed the above instrument, an	

PATENT
RECORDED: 01/30/2001 REEL: 011520 FRAME: 0134