Case No : 50810115003

RECORDATION PAT	N FORM CO		
To: The Director of the U.S. Patent and Trademark Offi	Ce:	A SECOND	
Please record the attached document(s) or the new add	iress(es) belov	v.	
Name of conveying party(les)	sto(s):	2. Name and address of receiving party(ies):	
Strobel, Mark A. Kirk, Seth M. Getschel, Joel A. Skaruppa, Matthew J. October 20, October 20, October 20, October 07,	2004 2004	3M Innovative Properties Company P.O. Box 33427 St. Paul, Minnesota 55133-3427	
Additional name(s) of conveying party(ies) attached?		Additional name(s) of receiving party(ies) attached? ☐ Yes ☑ No	
☐ Yes ☒ No	U. #1000000000000000000000000000000000000		
3. Nature of conveyance: Assignment			
4. Application or patent number(s)	This documen	t is being filed together with a new application.	
A. Patent Application No(s).	В. Р	atent No(s).	
10/883263			
Additional Number	ers Attached?	☐ Yes ⊠ No	
Name and address to whom correspondence concerning document should be mailed:		6. Total number of applications and patents involved:	
Name: Rick L. Franzen Office of Intellectual Property Counsel 3M Innovative Properties Company Phone Number: (651) 736 6432			
Phone Number: (651) 736-6432 Fax Number: 651-736-3833	7. Tota	7. Total fee (37 CFR §§ 1.21(h) & 3.41): \$40.00 Enclosed Authorized to be charged to deposit account	
32692 Customer Number	- · · · · · · · · · · · · · · · · · · ·	Payment Information:	
		Deposit Account Number: 13-3723 Authorized User Name: Rick L. Franzen	
9. Signature: Printed Name of Attorney/Agent: Rick L. Franzen Registration No.: 51,702 Pages: Total number of pages including COVER SHEET	, attachments, a	- 160, 1, 2004 Date and documents 4	

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to: Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, VA 22313-1450

11/01/04 15:37 ☐ :04/06 NO:189

Case No.: 59819US003

ASSIGNMENT OF APPLICATION

Whereas I/we, the below named inventor(s), with residence and citizenship as indicated below, have made an invention in

METHODS, SYSTEMS, AND POLYMER SUBSTANCES RELATING TO CONSIDERATION OF H20 LEVELS PRESENT WITHIN AN ATMOSPHERIC-PRESSURE NITROGEN DIELECTRIC-BARRIER DISCHARGE

	for which an application for a United States Patent is being filed contemporaneously herewith;
M	for which an application for a United States Patent identified as U.S. Patent Application No. 10/883263; was filed on July 1, 2004;
	which application is identified as PCT International Patent Application No. filed;

Now, therefore, for good and valuable consideration, receipt of which is acknowledged, I/we have agreed to assign and transfer and do hereby assign and transfer unto the 3M INNOVATIVE PROPERTIES COMPANY, a wholly-owned subsidiary of 3M COMPANY, and a corporation of Delaware, having its principal office at Saint Paul, Minnesota, its successors and assigns, the entire right, title, and interest in and to the said invention and application, and in and to any division or continuation (in whole or in part) of said application, and in and to any and all improvements in the said invention made by me or made jointly with others (provided any such improvement is made during, or within one year after the termination of, my employment with 3M COMPANY and any of its existing or future subsidiaries), and in and to any and all Letters Patent, reexaminations, reissues, or extensions thereof, of the United States of America and countries foreign thereto (including the right to apply for Letters Patent, Utility Models, or Inventors' Certificates in foreign countries in its own name and to claim any priority rights for such foreign applications to which such applications are entitled under international conventions, treaties, or otherwise), which have been or may be granted thereon or on any divisional, continuation (in whole or in part), renewal, reexamination, reissue, or other or further application based in whole or in part upon the said invention or improvements thereon, to be held and enjoyed as fully and exclusively as they would have been by me/us had this assignment and transfer not been made:

I/We do further agree for myself/ourselves and for my/our heirs, executors, and administrators, to execute and deliver without further consideration any further applications, assignments, and documents, and to perform such other acts as I/we lawfully may, that may be deemed necessary by said Company, its successors, assigns, and nominees, fully to secure its right, title, and interest as aforesaid and to obtain or maintain Letters Patent, Utility Models, or Inventors' Certificates in any and all countries; and

I/We do hereby authorize and request the Commissioner of Patents to issue any and all Letters Patent which may be granted upon any of the said applications, to said 3M Innovative Properties Company, as the assignee of the entire right, title, and interest therein.

Page 1 of 3 PATENTase No.: 59819US003

REEL: 015324 FRAME: 0310

In witness whereof, I/we have signed my/our name(s) on the day and year set forth below

Given Name (first and middle [if any]): Mark A.	Family Name or Surr STROBEL	Family Name or Surname: STROBEL		
Inventor's Signature	Date:	1 = =		
Residence: Maplewood, Minnesota	Country: USA	Citizenship: United States of America		
On this 20 day of 0c to be Mark A. STROBEL, and who executed the foregaforesaid. (Seal) KATHLEEN M SANDVIG NOTARY PUBLIC - MINNESOTA My Comm. Expires Jan. 31, 200	going instrument, as said person's the said person t	ersonally appeared the above-named free act and deed, on the day and year		
Given Name (first and middle [if any]): Seth M.	Family Name or Sum KIRK	same:		
Inventor's Signature:	Date: (0-20-0)	4		
Het				
Residence: Minneapolis, Minnesota	Country: USA	Citizenship: United States of America		

PATENCESe No.: 59819US003

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aforesaid.

(Seal)

KATHLEEN M SANDVIG NOTARY PUBLIC - MINNESOTA My Comm. Expires Jen. 31, 2005

Given Name (first and middle [if any]):	Family Name or Sum:	
Joel A.	GETSCHEL	ame.
1900 P. L. Lidde		
Inventor's Signature:	Date:	
fool Though	كم ١٥٠ ٥١	
Residence: Osceola, Wisconsin	Country:	Citizenship:
	USA	United States of America
STATE OF MINNESOTA)	1 117 117 118 A. L.	79/6V
COUNTY OF RAMSEY)		
On this 20 day of October	2004) "	
Joel A. GETSCHEL, and who executed the foregoing	, 2004, before me per	sonally appeared the above-named
aforesaid.	msuument, as saic persons r	ree act and deed, on the day and year
KATHLEEN M SANDVIG	Vothborg	Me la disa
(Seal) NOTARY PUBLIC - MINNESOTA	<u> </u>	110. Sandorg
My Corram. Expires Jan. 31, 2005	Notary Public	//
		0
Given Name (first and middle (if appl))		
Given Name (first and middle [if any]): Matthew J.	Family Name or Suma	me:
Matthew J.	SKARUPPA	ime:
		lme:
Matthew J. Inventor's Signature: Whate Taylor	SKARUPPA	ime:
Matthew J. Inventor's Signature: Mauto Taylor Residence:	SKARUPPA Date:	me: Citizenship:
Matthew J. Inventor's Signature: Manua Tanga	Date:	To the second se
Matthew J. Inventor's Signature: Mauto Taylor Residence:	SKARUPPA Date:	Citizenship:
Inventor's Signature: Residence: Chicago, Illinois STATE OF	SKARUPPA Date:	Citizenship:
Inventor's Signature Residence: Chicago, Illinois STATE OF Signature STATE OF Signa	Date: /o/7/04 Country: USA	Citizenship: United States of America
Residence: Chicago, Illinois STATE OF Signature On this day of October	SKARUPPA Date: /o/7/04 Country: USA . 2004, before me per	Citizenship: United States of America
Inventor's Signature. Residence: Chicago, Illinois STATE OF WINDIS On this day of Cher Matthew J. SKARUPPA, and who executed the forego	SKARUPPA Date: /o/7/04 Country: USA . 2004, before me per	Citizenship: United States of America
Residence: Chicago, Illinois STATE OF JUNION SS. COUNTY OF JUNION SS. Matthew J. SKARUPPA, and who executed the foregover aforesaid.	SKARUPPA Date: /o/7/04 Country: USA . 2004, before me per	Citizenship: United States of America
Inventor's Signature: Residence: Chicago, Illinois STATE OF WINDLY On this day of Matthew J. SKARUPPA, and who executed the forego year aforesaid. (Seal) CLARE L. MERSTORF	SKARUPPA Date: /0/7/04 Country: USA , 2004, before me per per per per per per per per per pe	Citizenship: United States of America
Inventor's Signature: Residence: Chicago, Illinois STATE OF WINDIN) ss. COUNTY OF WINDIN) ss. On this day of October Matthew J. SKARUPPA, and who executed the forego year aforesaid.	SKARUPPA Date: /o/7/04 Country: USA . 2004, before me per	Citizenship: United States of America

OFFICIAL SEAL CLARE L. MERSTORF NOTARY PUBLIC, STATE OF ILLINOIS MY COMMISSION EXPIRES 9-2-2007

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