Case No.: 59583US011

RE	CORDATION F				
To: The Director of the U.S. Patent and		ITS ON	LY		
Please record the attached document(s) or the new addres	s(es) belov	V, -		
1. Name of conveying party(ies)	Execution Date(s):		2. Name and address of receiving party(ies):		
Sundet, Douglas C.	August 24, 2009		3M Innovative Properties Company		
Shah, Rahul R.	August 27, 2009		P.O. Box 33427 St. Paul, Minnesota 55133-3427		
Brandner, John M.	August 24, 2009		Ot. 1 dai, milliosota 33133-3421		
Wu, Tien T.	August 24, 2009				
Additional name(s) of conveying party(ies) attached? ☐ Yes ☑ No		Additional name(s) of receiving party(ies) attached?			
Security Agreement 🔲 Cl	lerger nange of Name overnment Interest As	ssignment			
4. Application or patent number(s)	☐ This	document	is being	filed together with a new at	oplication.
			·		
A. Patent Application No(s).		B. Pa	atent No	o(s).	
11/457933					
A	dditional Numbers Af	ttached?	Yes	⊠ No	
5. Name and address to whom correspondence concerning document should be mailed: Name: Kenneth B. Wood Office of Intellectual Property Counsel 3M Innovative Properties Company		6. Total number of applications and patents involved:			
					Phone Number: 651-733-1792 Fax Number: 651-736-3833
7 dx 7 dilibbi. 657 700 0000			Enclosed Authoriza		ount.
32692		Authorized to be charged to deposit account			
Customer Number		8. Payment Information:			
		Deposit Account Number: 13-3723			
		Authorized User Name: Kenneth B. Wood			
9. Signature:					
Printed Name of Attorney/Agent:	<i>-7/</i> ,,			$n \mid \gamma_{i} \mid$	
Kenneth B. Wood	BY <i>IN IN 14</i> 9			8/31/07	
110810111111111111111111111111111111111	Signature			Date	
Pages: Total number of pages including (<u> 4 </u>

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mall Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, VA 22313-1450

PATENT REEL: 023160 FRAME: 0136

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ASSIGNMENT OF APPLICATION

below, have made an invention in
PLEATED ALIGNED WEB FILTER
 ☐ for which an application for a United States Patent is being filed contemporaneously herewith; ☐ for which an application for a United States Patent identified as U.S. Patent Application No. 11/457933; was filed on July 17, 2006;

Whereas I/we, the below named inventor(s), with residence and citizenship as indicated

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

Assignment

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3M Innovative Properties Company, P.O. Box 33427, St. Paul, Minnesota 55133-3427

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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.

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]): Douglas C.	Family Name or Surname: Sundet	
Inventor's Signature: Douglas C. Lundet	Date: 8/24/09	
Residence: Hudson, Wisconsin	Country: USA	Citizenship: United States of America
STATE OF MINNESOTA) SS. COUNTY OF RAMSEY) On this	he foregoing instrument, as s Notary Public	ne personally appeared the said person's free act and said managements.
Given Name (first and middle [if any]) Rahul R.	Family Name or Surname: Shah	
Inventor's Signature:	Date: \$ -21-09	·
Residence: ' (Woodbury, Minnesota	Country: (USA	Citizenship: United States of America
STATE OF MINNESOTA)) ss. COUNTY OF RAMSEY) On this and the day of above-named Rahul R. Shah, and who executed the forthe day and year aforesaid. (Seal) SUSAN M HENDRICKSON Notary Public Minnesota My Commission Expires January 31, 2010	negoing instrument, as said judge. Notary Public	ne personally appeared the person's free act and deed, on

Giveл Name (first and middle [if any]):	Family Name or Surnar	ne:
John M.	Brandner	
Inventor's Signature:	Date:/	
V Lla My Bolo	8/24/09	
Nesidence:	Country:	Citizenship:
St. Paul, Minnesota	USA	United States of America
STATE OF MINNESOTA)		
) ss.		
COUNTY OF RAMSEY)	81 m/m (2)	·
On this	, <u>&/007</u> , before	e me personally appeared the
above-named John M. Brandner, and who executed t	he foregoing instrument, as	sald person's free act and
deed, on the day and year aforesaid.	()	A = A
(Seal) Notary Public	Xusan Mi	Handrickenon
Minnesota	Notary Public	1
My Commission Expires January 31, 2010	· · · · · · · · · · · · · · · · · · ·	
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Given Name (first and middle (if anyl):	Family Name or Surna	ime.
Given Name (first and middle [if any]): Tien T.	Family Name or Surna	me:
Tien T.	Wu	me:
Tien T.	Wu Date:	
Tien T. Inventor's Signature: 1. Wu	Wu Date: 8/24/20	09
Tien T. Inventor's Signature: Residence:	Wu Date: 8/24/20 Country:	のう Citizenship:
Tien T. Inventor's Signature: Residence: Woodbury, Minnesota	Wu Date: 8/24/20	09
Tien T. Inventor's Signature: Residence: Woodbury, Minnesota STATE OF MINNESOTA	Wu Date: 8/24/20 Country:	のう Citizenship:
Tien T. Inventor's Signature: Residence: Woodbury, Minnesota STATE OF MINNESOTA) ss.	Wu Date: 8/24/20 Country:	のう Citizenship:
Tien T. Inventor's Signature: Residence: Woodbury, Minnesota STATE OF MINNESOTA)	Wu Date: 8/24/20 Country: USA	ට ට් Citizenship: United States of America
Tien T. Inventor's Signature: Residence: Woodbury, Minnesota STATE OF MINNESOTA) SS. COUNTY OF RAMSEY On this 24th day of August	Wu Date: 8/24/20 Country: USA	Citizenship: United States of America e me personally appeared the
Tien T. Inventor's Signature: Residence: Woodbury, Minnesota STATE OF MINNESOTA)	Wu Date: 8/24/20 Country: USA	Citizenship: United States of America e me personally appeared the
Tien T. Inventor's Signature: Residence: Woodbury, Minnesota STATE OF MINNESOTA) SS. COUNTY OF RAMSEY On this 24th day of August	Wu Date: 8/24/20 Country: USA	Citizenship: United States of America e me personally appeared the
Tien T. Inventor's Signature: Residence: Woodbury, Minnesota STATE OF MINNESOTA) SS. COUNTY OF RAMSEY) On this	Wu Date: 8/24/20 Country: USA	Citizenship: United States of America e me personally appeared the
Tien T. Inventor's Signature: Residence: Woodbury, Minnesota STATE OF MINNESOTA) SS. COUNTY OF RAMSEY On this 24th day of above-named Tien T. Wu, and who executed the fore the day and year aforesaid. (Seal) SUSAN M HENDRICKSON Notary Public	Wu Date: 8/24/20 Country: USA	Citizenship: United States of America e me personally appeared the
Tien T. Inventor's Signature: Residence: Woodbury, Minnesota STATE OF MINNESOTA) Ss. COUNTY OF RAMSEY On this AHD day of above-named Tien T. Wu, and who executed the fore the day and year aforesaid. (Seal) SUSAN M HENDRICKSON	Wu Date: 8/24/20 Country: USA , 3009, before going instrument, as said p	Citizenship: United States of America e me personally appeared the

Assignment

RECORDED: 08/31/2009

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