PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Patrick A. Mach	01/17/2013
Raj Rajagopal	01/30/2013
Wensheng Xia	01/21/2013
Jinsheng Zhou	02/01/2013
Chunmei Guo	02/07/2013

RECEIVING PARTY DATA

Name:	3M INNOVATIVE PROPERTIES COMPANY	
Street Address:	P.O. BOX 33427	
City:	ST. PAUL	
State/Country:	MINNESOTA	
Postal Code:	55133-3427	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13701935

CORRESPONDENCE DATA

Fax Number: 6517363833

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

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Correspondent Name: 3M INNOVATIVE PROPERTIES COMPANY

Address Line 1: PO BOX 33427

Address Line 4: ST. PAUL, MINNESOTA 55133-3427

ATTORNEY DOCKET NUMBER:	66415US004
NAME OF SUBMITTER:	Judy L. Hansen

Total Attachments: 2

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PATENT REEL: 029793 FRAME: 0702 13701935

CH \$40.00

Docket No.: 66415US004

ASSIGNMENT OF APPLICATION

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

invention in	nce and citizensii	ip as midicated below, have made an		
FILTRATION METHOD:	S AND DEVICE	\$		
for which an application for a United States Patent is being filed contemporaneously herewith;				
for which an application for a United States Patent ic 13/701,935, was filed on June 6, 2011	dentified as U.S.	Patent Application No.		
which application is identified as PCT International F June 6, 2011;	Patent Applicatio	on No. PCT/US2011/039242; filed		
Now, therefore, for good and valuable consider agreed to assign and transfer and do hereby assign and COMPANY, a wholly-owned subsidiary of 3M COMPANY office at Saint Paul, Minnesota, its successors and assigns invention and application, and in and to any division or contained to any and all improvements in the said invention made improvement is made during, or within one year after the teany of its existing or future subsidiaries), and in and to an extensions thereof, of the United States of America and concepts Patent, Utility Models, or Inventors' Certificates in priority rights for such foreign applications to which such application, or improvements thereon, to be held and enjoyed me/us had this assignment and transfer not been made; I/We do further agree for myself/ourselves and for and deliver without further consideration any further application or improvements thereon, to be held and enjoyed me/us had this assignment and transfer not been made; I/We do further agree for myself/ourselves and for and deliver without further consideration any further application of the acts as I/We lawfully may, that may be deemed and nominees, fully to secure its right, title, and interest a Utility Models, or Inventors' Certificates in any and all count I/We do hereby authorize and request the Commit which may be granted upon any of the said applications assignee of the entire right, title, and interest therein. In witness whereof, I/we have signed my/our name.	d transfer unto the and a corporation, the entire right, inuation (in whole by me or made principle foreign countries polications are entire applications are entire application based as fully and exceptions, assignment of the entire applications are entire applications, assignment of the entire applications are executed and entire and assignment of the entire applications and and entire applications are entire applications.	ne 3M INNOVATIVE PROPERTIES on of Delaware, having its principal, title, and interest in and to the said or in part) of said application, and in jointly with others (provided any such employment with 3M COMPANY and Patent, reexaminations, reissues, or ereto (including the right to apply for in its own name and to claim any divisional, continuation (in whole or sed in whole or in part upon the said clusively as they would have been by cutors, and administrators, to execute ents, and documents, and to perform it Company, its successors, assigns, to obtain or maintain Letters Patent, as to issue any and all Letters Patent ovative Properties Company, as the		
Given Name (first and middle [if any]): Patrick A.	Family Name or Surname: Mach			
Invéntor's Signature:	Date: /- / チー20 / 3			
Residence:	Country:	Citizenship: United States of America		
Shorewood, Minnesota	U.S.A.	Officed States of Afficia		
Given Name (first and middle [if any]): Raj	Family Name or Surname: Rajagopal			
Inventor's Signature: Ray Ray see park	Date: //30/20/3			
Residence:	Country:	Citizenship:		

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Woodbury, Minnesota

U.S.A.

United States of America

Given Name (first and middle [if any]):	Family Name or	Family Name or Surname:		
Wensheng	Xia			
Inventor's Signature:	Date:			
Mungled 3	1 -	1-21-2013		
Residence:	Country:	Citizenship: Republic Chim United States of America		
Woodbury, Minnesota	U.S.A.	United States of America		
Given Name (first and middle [if any]):	Family Name or Surname:			
Jinsheng	Zhou			
Inventor's Signature:	Date:			
I Card 2	02-01-2013			
Residence:	Country:	Citizenship: (Consider of America		
Woodbury, Minnesota	U.S.A.	United States of America		
		2		
Legal Name of Inventor				
Chunmei Guo, Deceased				
Observation of Local Poprocontative	Date:			
Signature of Legal Representative:	Date.			
	A			
	a-7	- 24/5		
Guoping Mao, Legal Representative				
Residence:	Country:	Citizenship:		
Woodbury Minnesota	U.S.A.	United States of America		

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RECORDED: 02/12/2013