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Docket 1	NΛ	5700	21 15000

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To: The Honorable Commissioner of Patents and Ti	rademarks			
Please record the attached original document(s) or copy thereof.  1. Name of conveying party(ies)/(Execution Date)  Zhang, Zhiqun 08/06/02  Swinehart, Robert M. 08/06/02		Name and address of receiving party(ies):  3M Innovative Properties Company P.O. Box 33427 St. Paul, Minnesota 55133-3427		
Additional names of conveying party(ies) attached?  Yes No  3. Nature of Conveyance:  Assignment Merger  Security Agreement Change of Name of	Additional names of receiving party(ies) attached?  Yes No			
4. Application number or patent number:  ☐ This document is being filed with a new patent appl ☐ This document is to be recorded against the followin ☐ Patent Cooperation Treaty (PCT): Enter PCT application number only if a U.S. Applic	cation Number l	has <u>not</u> been assigned:		
Additional Numbers Attached? [ 5. Name and address of party to whom correspondence 6. Tot		Yes ⊠ No tal number of applications		
concerning document should be mailed: Name: William J. Bond Office of Intellectual Property Counsel 3M Innovative Properties Company P.O. Box 33427		and patents involved: 1		
St. Paul, Minnesota 55133-3427		7. Total fee (37 CFR 3.41) \$40.00		
Phone Number: (651) 736-4790		Authorized to be charged to deposit account		
8.		8. Deposit Account Number: 13-3723		
DO NOT	USE THIS	SPACE		
9. Statement and Signature To the best of my knowledge and belief, the foregoing in the original document. Charges to deposit account are a William J. Bond Printed Name of Attorney/Agent Signature	nformation is truethorized, as inc	uc and correct and any attached copy is a true copy of directed herein.  August 1, 3003		
Registration No. 32,400				
Pages: Total number of pages including COVER SH	IEET, attachmen	nts and documents: 3		

Commissioner for Patents, Box Assignments, Washington, DC 20231

(Form PTO-1595 – Modified from PTO's Rev 03/01) q:\(\frac{3}{2}\)mipco forms and samples\(\frac{3}{2}\)assignment recordation cover sheet - inventors to company - new.doc 4/26/01

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**REEL: 013188 FRAME: 0252** 

**PATENT** 

## **ASSIGNMENT**

Whereas we, the below named inventors, with residences and citizenships as indicated below; have made an invention in

## AIR FILTRATION SYSTEM USING POINT IONIZATION SOURCES

and have contemporaneously executed an application for Letters Patent of the United States of America based thereon:

Now, therefore, for good and valuable consideration, receipt of which is acknowledged, we have individually and jointly 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 us or any of us or made jointly with others (provided any such improvement is made during, or within one year after the termination of, the employment by 3M Company and any of its existing or future subsidiaries of whichever of us, solely or jointly with one or more others, has made the same), 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 us or any of us had this assignment and transfer not been made,

We do further agree for ourselves and for 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 we lawfully may, that may be deemed necessary by the 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 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 the said 3M Innovative Properties Company, as the assignee of the entire right, title, and interest therein.

Residence: Roseville, Minnesota, U.S.

Citizenship: United States

STATE OF MINNESOTA

On this \_\_\_\_\_\_\_ On this day of day of discount, 2002, before me personally appeared the above-named Zhiqun Zhang, personally known by me, and known by me to be the person described in and who executed the foregoing instrument, and who acknowledged that said person executed the same as said person's free act and deed, on the day and year aforesaid.

(Seal)

Chury & Schnift Notary Public



God Mb Sweilard August 6 2002

Residence: Marine, Minnesota, U.S.A.
Citizenship: United States

STATE OF MINNESOTA )

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**RECORDED: 08/07/2002** 

CHERYL L. SCHMITZ

PATENT REEL: 013188 FRAME: 0254