Case No.: 63531US002 RECORDATION FORM COVER SHEET PATENTS ONLY To: The Director of the U.S. Patent and Trademark Office: Please record the attached document(s) or the new address(es) below. 2. Name and address of receiving party(ies): 1. Name of conveying party(ies) Execution Date(s): 3M Innovative Properties Company Pilgrim, John M. September 7, 2007 P.O. Box 33427 Holmquist-Brown, Thomas W. September 7, 2007 St. Paul, Minnesota 55133-3427 Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No Additional name(s) of receiving party(ies) attached? ☐ Yes ☒ No 3. Nature of conveyance: Assignment Assignment Merger Security Agreement ☐ Change of Name Joint Research Agreement ☐ Government Interest Assignment Other: Application or patent number(s) This document is being filed together with a new application. A. Patent Application No(s). B. Patent No(s). 29/283669 Additional Numbers Attached?

Yes

No 5. Name and address to whom correspondence 6. Total number of applications concerning document should be mailed: 1 and patents involved: Name: Karl G. Hanson Office of Intellectual Property Counsel 3M Innovative Properties Company Phone Number: 651-736-7776 Total fee (37 CFR §§ 1.21(h) & 3.41); \$40.00 Fax Number: 651-736-3833 Enclosed Authorized to be charged to deposit account. 32692 8. Payment Information: Customer Number Deposit Account Number: 13-3723 Authorized User Name: Karl G. Hanson 9. Signature: Printed Name of Attorney/Agent: Malla September 12, 2007 Karl G. Hanson

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

Pages: Total number of pages including COVER SHEET, attachments, and documents

3

Registration No.: 32,900

Case No.: 63531US002

ASSIGNMENT OF APPLICATION

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

	FILTER HOUSING				
	for which an application for a United States Patent is being filed contemporeneously herewith;				
\boxtimes	for which an application for a United States Patent identified as U.S. Patent Application No. 29/283669; was filed on August 21, 2007;				
	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 Proporties 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]); JOHN M.	Family Name or Surname: PILGRIM			
Inventor's Signature:	Dato: 9/7/07			
Residence: V Woodbury, Minnesota	Country: USA	Citizenship: United States of America		
STATE OF MINNESOTA)) ss. COUNTY OF RAMSEY)				
On this day of September, 2007, before me personally appeared the above-named JOHN M. PILGRIM, and who executed the foregoing instrument, as said person's free act and deed, on the day and year aforesaid.				
Susan M Dacko Notary Public Minnesota My Commission Expires January 31, 2010 Notary Public Notary Public				

Assignment

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REEL: 019819 FRAME: 0677

Given Name (first and middle [if any]): THOMAS W.	Family Name or Surname: HOLMQUIST-BROWN				
Inventor's Signature:	Date: 7 5 ep 0	フフ			
Residence: St. Paul, Minnesota	Country: USA	Citizenship: United States of America			
STATE OF MINNESOTA) ss. COUNTY OF RAMSEY) On this day of Septembor, 2007, before me personally appeared the above-named THOMAS W. HOLMQUIST-BROWN, and who executed the foregoing instrument, as said person's free act and deed, on the day and year aforesaid.					
SUSAN M DACKO (Seal) Notary Public Minnesota My Commission Expires January 31, 2010	Notary Public	bolo			

Assignment

RECORDED: 09/12/2007

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ve Properties Company, P.O. Box 33427, St. Paul, Minnesota 55133-3427

PATENT

REEL: 019819 FRAME: 0678