Case No.: 64417US002 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. Name and address of receiving party(ies): Name of conveying party(ies) Execution Date(s): 3M Innovative Properties Company Hager, Roger T. August 20, 2008 P.O. Box 33427 Thompson, Craig D. August 20, 2008 St. Paul, Minnesota 55133-3427 Porcini, Mauro July 29, 2008 July 31, 2008 Aquino, Matthieu McGreevy, Sean C. June 25, 2009 Additional name(s) of receiving party(ies) attached? Additional name(s) of convoying party(ies) attached? Yes No ☐ Yes · 🔀 No Nature of conveyance: Assignment Merger Security Agreement Change of Name Joint Research Agreement Government Interest Assignment Other: 4. Application or patent number(s) ☐ This document is being filed together with a new application. A. Patent Application No(s). B. Patent No(s). -29/319830 Additional Numbers Attached?

Yes

No 5. Name and address to whom correspondence 6. Total number of applications concerning document should be mailed: and patents involved: Name: David B. Patchett Office of Intellectual Property Counsel 3M Innovative Properties Company Phone Number: 651-736-4713 \$40.00 Total fcc (37 CFR §§ 1.21(h) & 3.41): 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: David B. Patchett 9. Signature: Printed Name of Attorney/Agent:

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PATENT REEL: 023170 FRAME: 0134

David B. Patchett Registration No.: 39,325

Case No.: 64417US002

ASSIGNMENT OF APPLICATION

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Whereas I/we, the below named inventor(s), winvention in	vith residence and citizens)	nip as indicated below, have made an	
	HOOK		
☐ for which an application for a United States Pat ☐ for which an application for a United States Pat June 16, 2008;	·		
☐ which application is identified as PCT Internation	onal Patent Application No.	; filed ;	
Now, therefore, for good and valuable cons assign and transfer and do hereby assign and wholly-owned subsidiary of 3M COMPANY, and Minnesota, its successors and assigns, the entire and in and to any division or continuation (in improvements in the said invention made by me oduring, or within one year after the termination of future subsidiaries), and in and to any and all Let United States of America and countries foreign the or Inventors' Cortificates in foreign countries in applications to which such applications are entit have been or may be granted thereon or on any or eissue, or other or further application based in which been made; I/We do further agree for myself/ourselves and deliver without further consideration any further agrees as I/we (awfully may, that may be deemed not fully to secure its right, title, and interest as afoin I/We do hereby authorize and request the Corbe granted upon any of the said applications, to entire right, title, and interest therein. In witness whereof, I/we have signed my/our residence.	transfer unto the 3M INN a corporation of Delaware, right, title, and interest in a whole or in part) of said or made jointly with others (of, my employment with 3 ders Patent, reexamination areto (including the right to its own name and to olded under international codivisional, continuation (in whole or in part upon the said your developments, as ey would have been by me and for my/our heirs, executoplications, assignments, are ecessary by said Company resaid and to obtain or middle mmissioner of Patents to is a said 3M Innovative Prop	IOVATIVE PROPERTIES COMPANY, a having its principal office at Saint Paul, and to the said invention and application, application, and in and to any and all (provided any such improvement is made M COMPANY and any of its existing or its, reissues, or extensions thereof, of the o apply for Letters Patent, Utility Models, aim any priority rights for such foreign nventions, treaties, or otherwise), which whole or in part), renewal, reexamination, aid invention or improvements thereon, to elus had this assignment and transfer not itors, and administrators, to execute and to documents, and to perform such other its successors, assigns, and nominees, aintain Letters Patent, Utility Models, or sue any and all Letters Patent which may erties Company, as the assignee of the	
Given Name (first and middle [if any]): Roger T,		Family Name or Surnamo: Hager	
Inventor's Signature:	Date:		

Assignment

Witness

Page 1 of 2 . 3M Innovative Properties Company, P. O. Box 33427, St. Paul, MN 55133-3427

Witness

Case No.: 64417US002

Glveл Name (first and middle [if any]): Craig D.	Family Name or Surnamo: Thompson	
inventor's Signature:	Date:	
Residence: Inver Grove Heights, Minnesota	Country: USA	Citizenship: United States of America
	•	
Witnoss	Witness	
Given Name (first and middle [if any]): Mauro	Family Name or Surname: Porcini	
Inventor's Signature:	Date:	
Residence: Milano	Country: Italy	Citizenship: Italy
Witness	Witness	
Given Name (first and middle [if any]): Matthieu	Family Name or Surname: Aquino	
Inventor's Signature;	Date:	
Residence; Milane	Country: Italy	Citizenship: France
·		·
Witness	Witness	
Given Name (first and middle [lf eny]); Sean C.	Family Name or Surname; McGreevy	
Inventor's Signature: W. (Date: 6 25 2009 Country: Clitzenship:	
St. Paul, Minnesota	USA	United States of America
Susan M. Hendrickson	Winess)	le .

Assignment

Page 2 of 2 3M Innovative Proporties Company, P. O. Rox 33427, St. Paul, MN 55133-3427

Case No.: 64417US002

PATENT REEL: 023170 FRAME: 0136