_	<u></u>	05-11-2001	Docket No. :	56132USA9A,002	
Ţ	PATENT ASSIGNM		R SHEET		
F	To: The Commissioner for Pa			<u> </u>	
-	Please record the attached ori				
Ī	Submission Type:	101714823	eyance Type:		
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İ	Resubmission (Non-Recordation	n)).	Assignment		
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}	Correction of PTO Error: Reel #	Frame #	Other:		
Į	Corrective Document: Reel #	Frame #			
	Name of conveying party(ies)	Execution Date (Month/Day/Year)	Name and address of receiving	ng party(ies):	
ŀ	Mike E. Hamerly	April 24, 2001			
	Robert G. Smith	April 24, 2001	3M Innovative Properties Co	mpany	
	Silva K. Theiss	April 24, 2001	P.O. Box 33427	40.7	
1	Billy L. Weaver	April 24, 2001	St. Paul, Minnesota 55133-3	427	
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1	Additional names of conveying party(ies) attached? Yes No		ļ		
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	Application number or patent number: This document is being filed with a new patent application on This document is to be recorded against the following patent application or patent: 09/771,757				
[
1	Patent Cooperation Treaty (PCT):				
1	Enter PCT application number only if a U.S. Application Number has <u>not</u> been assigned:				
Ī	Name and address of party to whom correspondence concerning document should be mailed:				
l	Name: Scott A. Bardell, Phone Number: 651/736-6935				
	Office of Intellectual Property Counsel				
Ì	3M Innovative Properties Company				
	P.O. Box 33427				
[St. Paul, Minnesota 55133-3427 Number of Properties: Enter the total number of properties involved Fee Amount: Fee Amount for Properties Listed (37 CFR 3.41) X \$40.00				
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ļ	Method of Payment:	⊠ Charge to	Deposit Account No. <u>13-3723</u>	= \$40.00	
ļ	Authorization to charge additional fees: 🛛 Yes 🔲 No				
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	Statement and signature				
ļ	To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a				
	true copy of the original document. Charges to deposit account are authorized, as indicated herein.				
ŀ	1 Stoll Konhol To A. 1 2 1				
	Scott A. Bardell	1000	072 1/21	1001	
	Printed Name of Attorney/Agent	Signature	Date	′ /	
	Registration No.	<u> </u>	L		
İ	Pages:				
	Total number of pages of the attached conveyance document including any attachments				

Mail documents to be recorded with required cover sheet information to: Commissioner for Patents, Box Assignments, Washington, DC 20231 q:\3mipco forms and samples\assignment recordation cover sheet - inventors to company.doc 4/28/99

REEL: 011774 FRAME: 0673

ASSIGNMENT

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

OPTICAL SWITCH BASED ON ROTATING VERTICAL MICRO-MIRROR

and have executed an application for Letters Patent of the United States of America based thereon; which application is identified in the United States Patent and Trademark Office as U.S. Application No. 09/771,757, filed January 29, 2001;

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 MINNESOTA MINING AND MANUFACTURING 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 Minnesota Mining and Manufacturing 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.

Mig E. Atom Mike E. Hamerly Residence: Vadnais Heights, Minnesota, U.S.A. Citizenship: United States of America STATE OF MINNESOTA) COUNTY OF RAMSEY day of Upil , 2001, before me personally appeared the above-named Mike E. Hamerly, 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. Hataleen M. Hous

KATHLEEN M. GOERS NOTARY PUBLIC MINNESOTA NOTARY PUBLIC MINNESOTA & Comm. Expires Jan. 31 2005

Notary Public

PATENT m-j/061198

Docket No. 56132USA9A.002 Robert G. Smith Residence: Vadnais Heights, Minnesota, U.S.A. Citizenship: United States of America STATE OF MINNESOTA) COUNTY OF RAMSEY On this 34th day of 1, 2001, before me personally appeared the above-named Robert G. Smith, 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. KATHLEEN M. GOERS My Comm. Expires Jan. 31 2005 Notary Public Residence: Woodbury, Minnesota, U.S.A. Citizenship: United States of America STATE OF MINNESOTA) COUNTY OF RAMSEY On this 34th day of 4 the day of 4 the day of 4 the day of 4 the above-named Silva K. Theiss, 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. KATHLEEN M. GOERS NOMAN PUBLIC MINNESOTA My Comm. Expires Jan. 31 2005 Billy L. Weaver Residence: Eagan, Minnesota, U.S.A. Citizenship: United States of America STATE OF MINNESOTA) **COUNTY OF RAMSEY** On this 34 day of On this 34 day of _______, 2001, before me personally appeared the above-named Billy L. Weaver, 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. Kathleen,

NOTARY PUBLIC MINNESOTA My Comm. Expires Jan. 31 2005

RECORDED: 04/30/2001

Notary Public