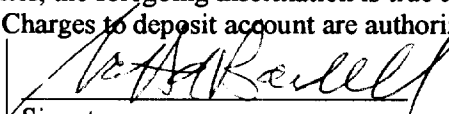


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<b>PATENT ASSIGNMENT</b> <b>101174683</b> <b>ER SHEET</b>	
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<b>Submission Type:</b> <input checked="" type="checkbox"/> New <input type="checkbox"/> Resubmission (Non-Recordation): Document ID# <input type="checkbox"/> Correction of PTO Error: Reel # _____ Frame # <input type="checkbox"/> Corrective Document: Reel # _____ Frame #	<b>Conveyance Type:</b> <input checked="" type="checkbox"/> Assignment <i>10-12-99</i> <input type="checkbox"/> Other:
<b>Name of conveying party(ies)</b> Minnesota Mining and Manufacturing Company, a Corporation of the State of Delaware	<b>Execution Date</b> <u>(Month/Day/Year)</u> September 28, 1999
<b>Name and address of receiving party(ies):</b> 3M Innovative Properties Company P.O. Box 33427 St. Paul, Minnesota 55133-3427	
<b>Additional names of conveying party(ies) attached?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
<b>Application number or patent number:</b> <input type="checkbox"/> This document is being filed with a new patent application on <input checked="" type="checkbox"/> This document is to be recorded against the following patent application or patent: <u>08/952,678</u>	
<b>Patent Cooperation Treaty (PCT):</b> Enter PCT application number <u>only</u> if a U.S. Application Number has <u>not</u> been assigned:	
<b>Name and address of party to whom correspondence concerning document should be mailed:</b> Name: Scott A. Bardell, Phone Number: 651/736-6935 Office of Intellectual Property Counsel 3M Innovative Properties Company P.O. Box 33427 St. Paul, Minnesota 55133-3427	
<b>Number of Properties:</b> Enter the total number of properties involved	<b>1</b>
<b>Fee Amount:</b> Fee Amount for Properties Listed (37 CFR 3.41)	<b>X \$40.00</b>
<b>Method of Payment:</b> <input checked="" type="checkbox"/> Charge to Deposit Account No. <u>13-3723</u> Authorization to charge additional fees: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<b>= \$40.00</b>
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<b>Statement and signature</b> 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.	
Scott A. Bardell Printed Name of Attorney	 Signature
OCTOBER 05 1999 Date	
<b>Pages:</b> Total number of pages of the attached conveyance document including any attachments	

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**PATENT**  
**REEL: 010306 FRAME: 0948**

# ASSIGNMENT

ASSIGNOR: MINNESOTA MINING AND MANUFACTURING COMPANY  
of: PO Box 33427  
St. Paul, Minnesota 55133-3427  
United States of America

a corporation organized and existing under the laws of the State of Delaware, United States of America does hereby claim and declare that it is the owner of all right, title and interest in and to the following Patent Application(s) or letters Patents(s) and other rights and powers obtainable or exercisable in respect thereof as numbered in United States Patent(s) and /or Patent Application(s):

Patent Application or Patent Number  
08/952,678

Filing Date or Issue Date  
November 12, 1997

Minnesota Mining and Manufacturing Company does hereby, for good and valuable consideration, effective as of April 1, 1999 received, sell, assign and transfer unto:

ASSIGNEE: 3M INNOVATIVE PROPERTIES COMPANY  
of: PO Box 33427  
St. Paul, Minnesota 55133-3427  
United States of America

a corporation organized and existing under the laws of the State of Delaware, United States of America, its entire right, title and interest in and to the said Patent Application(s) or Letters Patent(s) including any division, continuation (in whole or in part) reissue or reexamination thereof, and consent to the recordal of this Assignment.

ASSIGNOR  
Subscribed and Sworn:

At St. Paul, Minnesota 55133-3427  
this 28<sup>th</sup> day of September, 1999.

MINNESOTA MINING AND  
MANUFACTURING COMPANY

By: Carolyn A. Bates  
Name: Carolyn A. Bates  
Its: Assistant Chief Intellectual  
Property Counsel

Subscribed and sworn to before me this  
28<sup>th</sup> day of September, 1999.

Cheryl A. Saver  
Notary Public



ASSIGNEE  
Accepted:

At St. Paul, Minnesota 55133-3427  
this 30<sup>th</sup> day of September, 1999.

3M INNOVATIVE PROPERTIES  
COMPANY

By: Gary L. Griswold  
Name: Gary L. Griswold  
Its: President and Chief Intellectual  
Property Counsel

Subscribed and sworn to before me this  
30<sup>th</sup> day of September, 1999.

Jean S. Kistler  
Notary Public

