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ASSIGNMENT

ASSIGNOR:

MINNESOTA MINING AND MANUFACTURING COMPANY

of:

P.O. 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 09/332,455

Filing Date or Issue Date June 14, 1999

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:

P.O. 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 26th day of July

MINNESOTA MINING AND

MANUFACTURING COMPANY

Name: Carolyn A. Bates

Its:

Assistant Chief Intellectual

Property Counsel

Subscribed and sworn to before me this

day o

Notary Publis

NOTARY PUBLIC My Comm. Expires Jan. 31, 2000 **ASSIGNEE**

Accepted:

At St. Paul, Minnesota 55133-3427

3M INNOVATIVE PROPERTIES

COMPANY

By:

Name: Gary L. Griswold

Its:

President and Chief Intellectual

Property Counsel

Subscribed and sworn to before me this

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