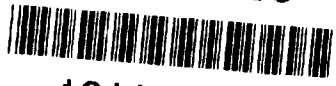


8-4-99

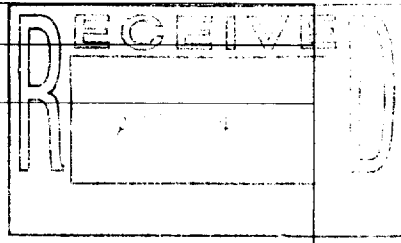
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Docket No. 53127USA3A



PATENT ASSIGNMENT COVER SHEET

COVER SHEET



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MINNESOTA MINING AND MANUFACTURING COMPANY
A Corporation of Delaware July 22, 1999

Name and address of receiving party(ies):
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St. Paul, Minnesota 55133-3427

Additional names of conveying party(ies) attached?
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Patent Cooperation Treaty (PCT):
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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
09/014,058

Filing Date or Issue Date
January 27, 1998

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 22nd day of July, 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
22nd day of July, 1999.

Cheryl A. Saver
Notary Public

ASSIGNEE
Accepted:
At St. Paul, Minnesota 55133-3427
this 26th day of July, 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
26th day of July, 1999.

Jean S. Kistler
Notary Public

