

02-02-1999

CORDATION COVER SHEET

To the Honorab
Please record th



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marks:
hereof.

1. Name of conveying party(ies):
Yaoqi Joe Liu Michael F. Weber
Bruce A. Nerad Kelly M. Roscoe
Laurence R. Gilbert John A. Wheatley
Robert L. Brott
Additional names of conveying party(ies) attached?
 Yes No *1-15-99*

2. Name and address of receiving party(ies)

Minnesota Mining and Manufacturing Company
P.O. Box 33427
St. Paul, Minnesota 55133-3427

3. Nature of conveyance: Assignment
Execution Date(s): 11/20/98; 11/19/98

4. 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: 09/199,602

5. Name and address of party to whom correspondence concerning document should be mailed:

William D. Miller
Minnesota Mining and Manufacturing Company
Office of Intellectual Property Counsel
P.O. Box 33427
St. Paul, Minnesota 55133-3427

6. Total number of applications and patents involved:

1
x \$40.00

7. Total fee (37 CFR 3.41) . . . \$40 . Please charge it to Deposit Account No. 13-3723

DO NOT USE THIS SPACE

8. Statement and signature.

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.

William D. Miller

January 12, 1999

Printed Name of Attorney

Signature

Date

Total number of pages including cover sheet, attachments, and document:

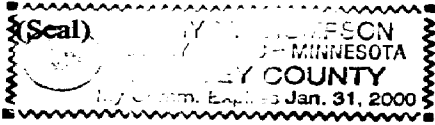
11

Michael F. Weber

Michael F. Weber
Residence: Shoreview, Minnesota
Citizenship: U.S.A.

STATE OF MINNESOTA)
) ss.
COUNTY OF RAMSEY)

On this 20th day of NOVEMBER 1998, before me personally appeared the above-named Michael F. Weber, personally known by me, and known by me to be the person described in and who executed the foregoing instrument, and who acknowledged that he executed the same as his free act and deed, on the day and year aforesaid.



Jennifer M. Thompson

Notary Public

John A. Wheatley
Residence: Ascot Berkshire, United Kingdom
Citizenship: U.S.A.

(Witness)

(Witness)

Bruce A. Nerad
Residence: Oakdale, Minnesota
Citizenship: U.S.A.

STATE OF MINNESOTA)
) ss.
COUNTY OF RAMSEY)

On this _____ day of _____ 19__, before me personally appeared the above-named Bruce A. Nerad, personally known by me, and known by me to be the person described in and who executed the foregoing instrument, and who acknowledged that he executed the same as his free act and deed, on the day and year aforesaid.

(Seal) _____
Notary Public

Laurence R. Gilbert
Residence: Marine on St. Croix, Minnesota
Citizenship: U.S.A.

STATE OF MINNESOTA)
) ss.
COUNTY OF RAMSEY)

On this _____ day of _____ 19__, before me personally appeared the above-named Laurence R. Gilbert, personally known by me, and known by me to be the person described in and who executed the foregoing instrument, and who acknowledged that he executed the same as his free act and deed, on the day and year aforesaid.

(Seal) _____
Notary Public

Robert L. Brott
Residence: Woodbury, Minnesota
Citizenship: U.S.A.

STATE OF MINNESOTA)
) ss.
COUNTY OF RAMSEY)

On this _____ day of _____ 19__, before me personally appeared the above-named Robert L. Brott, personally known by me, and known by me to be the person described in and who executed the foregoing instrument, and who acknowledged that he executed the same as his free act and deed, on the day and year aforesaid.

(Seal) _____
Notary Public

Michael F. Weber
Residence: Shoreview, Minnesota
Citizenship: U.S.A.

STATE OF MINNESOTA)
) ss.
COUNTY OF RAMSEY)

On this _____ day of _____ 19____, before me personally appeared the above-named Michael F. Weber, personally known by me, and known by me to be the person described in and who executed the foregoing instrument, and who acknowledged that he executed the same as his free act and deed, on the day and year aforesaid.

(Seal)

Notary Public

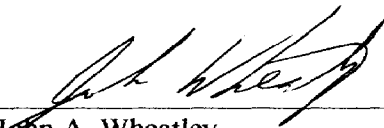
Kelly M. Roscoe
Residence: Orono, Minnesota
Citizenship: U.S.A.

STATE OF MINNESOTA)
) ss.
COUNTY OF RAMSEY)

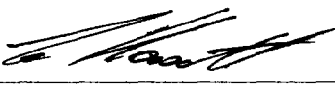
On this _____ day of _____ 19____, before me personally
appeared the above-named Kelly M. Roscoe, personally known by me, and known by me to be the person
described in and who executed the foregoing instrument, and who acknowledged that he executed the same
as his free act and deed, on the day and year aforesaid.

(Seal)


Notary Public



John A. Wheatley
Residence: Ascot Berkshire, United Kingdom
Citizenship: U.S.A.



C. HOWITT
(Witness)

 L. GILLIE

(Witness)