

MRD
12-28-98 PATENT

02-10-1999

Docket No. 51423USA5B



PATENT APPLICATION COVER SHEET

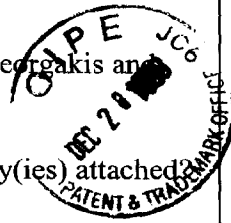
To the Honorable Comm
Please record the attached

100962771

DEC 2 6 1998

1. Name of conveying party(ies):
John S. Kelly, Russell A. Jordan,
James D. Cleary, Evangelos G. Georgakis and
Robert C. Manemann

Additional names of conveying party(ies) attached
 Yes No



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): December 10, 1998

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: 09/178,660

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

James D. Christoff
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

40.00

01/05/1999 MMARNDL 00000115 133723 09178660
01 FC:581 40.00 CH

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

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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.

James D. Christoff
Printed Name of Attorney

James D. Christoff
Signature

December 22, 1998
Date

Total number of pages including cover sheet, attachments, and document: 4

Form Rec-Asn.doc Rev. 6/11/96

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments, Washington, D.C. 20231

ASSIGNMENT

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

CARRIER FOR SUPPORTING ORTHODONTIC APPLIANCES

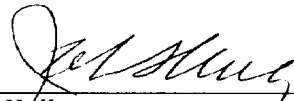
and have contemporaneously executed an application for Letters Patent of the United States of America based thereon;

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 MINNESOTA MINING AND MANUFACTURING COMPANY (sometimes designated as the Minnesota Mining & Manufacturing Company), 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 the said Company 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 Minnesota Mining and Manufacturing Company, as the assignee of the entire right, title, and interest therein.

In witness whereof, we have hereunto signed our names on the days and years set forth below.



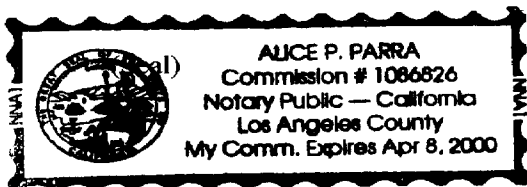
John S. Kelly
Residence: Arcadia, California, USA
Citizenship: United States of America

STATE OF CALIFORNIA)
) ss.
COUNTY OF LOS ANGELES)

On this 10th day of December, 1998, before me personally appeared the above-named John S. Kelly, 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.



Notary Public

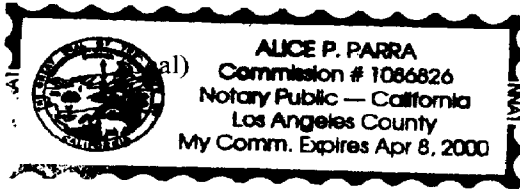


Russell A. Jordan

Russell A. Jordan
Residence: Rancho Cucamonga, California, USA
Citizenship: United States of America

STATE OF CALIFORNIA)
) ss.
COUNTY OF LOS ANGELES)

On this 10th day of December 1998, before me personally appeared the above-named Russell A. Jordan, 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.



Alice P. Parra

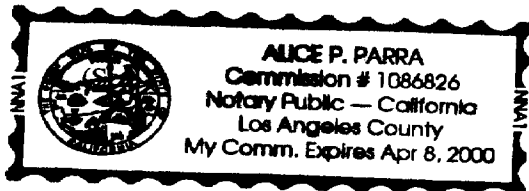
Notary Public

James D. Cleary

James D. Cleary
Residence: Glendora, California, USA
Citizenship: United States of America

STATE OF CALIFORNIA)
) ss.
COUNTY OF LOS ANGELES)

On this 10th day of December 1998, before me personally appeared the above-named James D. Cleary, 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.



Alice P. Parra

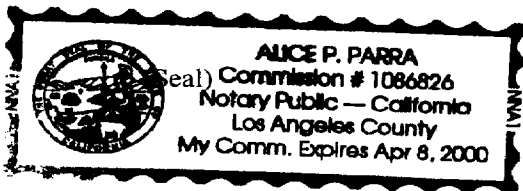
Notary Public

Evangelos G. Georgakis

Evangelos G. Georgakis
Residence: Alta Loma, California, USA
Citizenship: United States of America

STATE OF CALIFORNIA)
) ss.
COUNTY OF LOS ANGELES)

On this 10th day of December 1998 before me personally appeared the above-named Evangelos G. Georgakis, 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.



Alice P. Parra

Notary Public

Robert C Manemann

Robert C. Manemann

Residence: Huntington Beach, California, USA

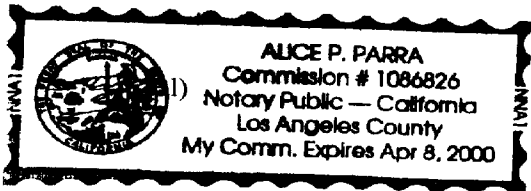
Citizenship: United States of America

STATE OF CALIFORNIA)

) ss.

COUNTY OF LOS ANGELES)

On this 10th day of December 1998, before me personally appeared the above-named Robert C. Manemann, 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.



Alice P. Parra

Notary Public