Att'y Ref/Docket No.: 600.517US1

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof:

1. Name of conveying party(ies): Philip S. Portoghese, Robert M. Jones and Shiv K. Sharma

2. Name and address of receiving party(ies):
   Name: Regents of the University of Minnesota
   Street Address: 450 McNamara Alumni Center
   200 Oak Street S.E.
   City: Minneapolis State: MN Zip: 55455-2070

3. Nature of conveyance:
   [X] Assignment [ ] Merger
   [ ] Security Agreement [ ] Change of Name
   [ ] Other

Execution Date: March 2, 2004, March 12, 2004, March 12, 2004

4. Application number(s) or patent number(s):
   If this document is being filed together with a new application, the execution date of the application is:
   A. Patent Application No.(s)
   Serial No. 10/473,245, filed September 25, 2003
   B. Patent No.(s)

Additional numbers attached? [ ]Yes [X]No

5. Name and address of party to whom correspondence concerning document should be mailed:
   Name: Robert J. Harris
   Address:
   Schwegman, Lundberg, Woessner & Kluth, P.A.
   P.O. Box 2938
   Minneapolis, MN 55402

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): $40.00
   [X]Enclosed
   [ ] Authorized to be charged to deposit account

8. Please charge any additional fees or credit any over payments to our Deposit account number: 19-0743

DO NOT USE THIS SPACE


   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.

   Robert J. Harris/Reg. No. 37,346
   Name of Person Signing

   Signature Date

   Total number of pages including cover sheet: 8

Mail documents to be recorded with required cover sheet information to:

Mail Stop Assignment Recordation Services
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

PATENT
REEL: 015379 FRAME: 0555
ASSIGNMENT

WHEREAS, We, Philip S. Portoghese, residing at 17 Oriole Lane, St. Paul, MN 55127, and Robert M. Jones, residing at 44 W. Broadway, #2103 S, Salt Lake City, UT 84101, and Shiv K. Sharma, residing at 1117 7th Street, S.E. #305, Minneapolis, MN 55414, made certain new and useful inventions and improvements for which we filed an application for Letters Patent of the United States on September 25, 2003, which application was assigned U.S. patent application serial number 10/473,245, and is entitled THERAPEUTIC COMPOUNDS AND METHODS;

AND WHEREAS, Regents of the University of Minnesota, a corporation organized and existing under and by virtue of the laws of the State of Minnesota, and having an office and place of business at 450 McNamara Alumni Center, 200 Oak Street S.E., Minneapolis, MN 55455-2070 (hereinafter “Assignee”), is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefor;

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the said application, all divisions, continuations, continuations-in-part, or renewals thereof, all Letters Patent which may be granted there from, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the said inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted there from; and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the said Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the said Assignee, its successors and assigns.
AND, for the consideration aforesaid, we do hereby agree that we and our executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to us relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the said improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore, we covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by us and that full right to convey the same as herein expressed is possessed by us.

IN TESTIMONY WHEREOF, I have hereunto set my hand this 2 day of March, 2004.

[Signature]
Philip S. Portoghese

STATE OF Minnesota

COUNTY OF Hennepin

On this 2 day of March, 2004 before me personally appeared Philip S. Portoghese, to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

[Seal]

[Seal]

EVA MARIE
Notary Public

Notary Public
IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____________, 2004.

__________________________
Robert M. Jones

STATE OF _______________________

)ss

COUNTY OF _______________________

On this ______ day of _____________, 2004 before me personally appeared Robert M. Jones, to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

[SEAL]

__________________________
Notary Public
IN TESTIMONY WHEREOF, I have hereunto set my hand this 12th day of March, 2004.

Shiv K. Sharma

STATE OF Minnesota

COUNTY OF Hennepin

On this 12th day of March, 2004 before me personally appeared Shiv K. Sharma, to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

Notary Public
ASSIGNMENT

WHEREAS, We, Philip S. Portoghese, residing at 17 Oriole Lane, St. Paul, MN 55127, and Robert M. Jones, residing at 44 W. Broadway, #2103 S, Salt Lake City, UT 84101, and Shiv K. Sharma, residing at 1117 7th Street, S.E. #305, Minneapolis, MN 55414, made certain new and useful inventions and improvements for which we filed an application for Letters Patent of the United States on September 25, 2003, which application was assigned U.S. patent application serial number 10/473,245, and is entitled THERAPEUTIC COMPOUNDS AND METHODS;

AND WHEREAS, Regents of the University of Minnesota, a corporation organized and existing under and by virtue of the laws of the State of Minnesota, and having an office and place of business at 450 McNamara Alumni Center, 200 Oak Street S.E., Minneapolis, MN 55455-2070 (hereinafter “Assignee”), is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefor;

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the said application, all divisions, continuations, continuations-in-part, or renewals thereof, all Letters Patent which may be granted there from, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the said inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted there from; and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the said Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the said Assignee, its successors and assigns.
AND, for the consideration aforesaid, we do hereby agree that we and our executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to us relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the said improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore, we covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by us and that full right to convey the same as herein expressed is possessed by us.

IN TESTIMONY WHEREOF, I have hereunto set my hand this ___ day of March, 2004.

[Signature]
Philip S. Portoghese

STATE OF Minnesota)
COUNTY OF Hennepin)

On this ___ day of March, 2004 before me personally appeared Philip S. Portoghese, to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

[Seal]
EVA MARIE
Notary Public

Notary Public
IN TESTIMONY WHEREOF, I have hereunto set my hand this 12th day of March, 2004.

Robert M. Jones

STATE OF California

COUNTY OF San Diego

On this 12th day of March, 2004 before me personally appeared Robert M. Jones, to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

CAROL BEAM
Commission # 1324307
Notary Public - California
San Diego County

[SEAL] CAROL BEAM

Notary Public
IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of
________________, 2004.

________________________________________
Shiv K. Sharma

STATE OF _____________________________

)ss

COUNTY OF ____________________________

On this ______ day of _____________, 2004 before me personally appeared Shiv K.
Sharma, to me known and known to me to be the person described in and who executed the foregoing
instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes
therein set forth.

[SEAL]

_____________________________________
Notary Public

RECORDED: 05/28/2004

PATENT
REEL: 015379 FRAME: 0563