

FORM PTO-1595  
1-31-92  
UPOV-3303

08-25-1999



U.S. DEPARTMENT OF COMMERCE  
ER SHEET Patent and Trademark Office

To The Honorable Commission  
thereof.

101126954

record the attached original documents or copy

1. Name of conveying party(ies):

Jean Chin Chin Gan;  
Paul Ducheyne;  
Edward Vresilovic; and  
Irving Shapiro

Additional name(s) of conveying party(ies)  
attached? ( ) YES (X) NO

8-23-99

3. Nature of Conveyance:

( ) Assignment ( ) Merger  
( ) Security Agreement  
( ) Change of Name  
(X) Other: Cross-referencing of Assignment from  
parent Application Serial No. 08/694,191, Filed: 8/8/96;  
Reel 8312, Frame 0886  
Execution Date(s): October 17, 1996

2. Name and address of receiving party(ies):

Name:

The Trustees of the University of Pennsylvania

Street Address:

3700 Market Street, Suite 300

City: Philadelphia

State: Pennsylvania

ZIP: 19104

Additional name(s) & address attached? ( ) YES (X) NO

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)

B. Patent No.(s)

09/314,511, Filed: May 19, 1999

Additional numbers attached? ( ) YES (X) NO

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

Name: Doreen Y. Trujillo  
Internal Address: WOODCOCK WASHBURN KURTZ  
MACKIEWICZ & NORRIS LLP  
One Liberty Place - 46th Floor  
Philadelphia, Pennsylvania 19103-7301

Street Address: WOODCOCK WASHBURN KURTZ  
MACKIEWICZ & NORRIS LLP  
One Liberty Place - 46th Floor  
1650 Market Street  
Philadelphia, Pennsylvania 19103-7301

6. Total number of applications and patents involved:  
One

7. Total fee (37 CFR 3.41):.....\$40.00

(X) Enclosed

( ) Authorized to be charged to Deposit Account  
Number 23-3050

8. Please charge any deficiency or credit any  
overpayment to Deposit Account Number 23-3050

DO NOT USE THIS SPACE

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9. 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.

Doreen Y. Trujillo, Reg. 35,719  
Name of Person Signing/Reg. No.

*Doreen Y. Trujillo*  
Signature

August 19, 1999  
Date

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

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

08 24/1999 MTHA11 00000269 09314511

01 FC:581

40.00 DP

Commissioner of Patents and Trademarks  
Box Assignments  
Washington, D.C. 20231

## ASSIGNMENT

WHEREAS, we, Jean Chin Chin Gan, Paul DuCheyne, Edward Vresilovic and Irving Shapiro, hereinafter referred to as Assignors, residing respectively at 222 East Montgomery Avenue #206, Ardmore Pennsylvania 19003, 763 Applegate Lane, Rosemont, Pennsylvania 19010, 3207 Baring Street, Philadelphia, Pennsylvania 19104, and 426 South 26th Street, Philadelphia, Pennsylvania 19146, are the inventors of certain inventions or improvements for which we have made application for Letters Patent of the United States, identified as Case No. UPN-2696, titled COMPOSITIONS AND METHODS FOR INTERVERTEBRAL DISC REFORMATION; and

WHEREAS, The Trustees of the University of Pennsylvania, hereinafter referred to as the assignee, of Philadelphia, Pennsylvania, a non-profit corporation of Pennsylvania, U.S.A., is desirous of acquiring the entire right, title and interest in and to the said inventions or improvements and in and to the said application, and in, to and under any and all Letters Patent which may be granted on or as a result thereof in any and all countries:

NOW, THEREFORE, for and in consideration of the sum of One Dollar (\$1.00) to us in hand paid by said Trustees of the University of Pennsylvania, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said Assignors have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, to said assignee, the entire right, title and interest in and to said inventions or improvements and said application and any and all continuations, divisions and renewals of and substitutes for said application, and in, to and under any and all Letters Patent which may be granted on or as a result thereof in the United States and any and all other countries, and any reissue or reissues or extension or extensions of said Letters Patent, and assign to and authorize said assignee to file in our name applications for Letters Patent in all countries the same to be held and enjoyed by said assignee, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by us had this assignment, sale and transfer not been made.

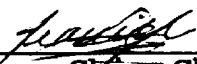
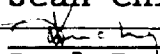
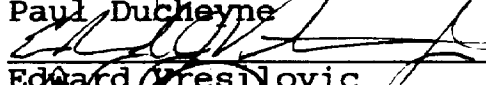
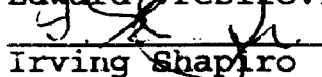
AND, we, hereby covenant that we have full right to convey the entire interest herein assigned, and that we have not executed and will not execute any agreement in conflict herewith, and we further covenant and agree that we will each time request is made and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said inventions or improvements, said application and said Letter Patent to said assignee, its successors, assigns, nominees or legal representatives, and we agree to communicate to said assignee, or

to its nominee all known facts respecting said inventions or improvements, said application and said Letters Patent, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisional, continuing, reissue and foreign applications, to make all rightful oaths, and generally to do everything possible to aid said assignee, its successors, assigns, nominees and legal representatives to obtain and enforce for its or their own benefit proper patent protection for said inventions or improvements in any and all countries, all at the expense, however, of said assignee, its successors, assigns, nominees or legal representatives.

AND, we, hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any country or countries foreign to the United States whose duty it is to issue patents on applications as aforesaid, to issue to said assignee, as assignee of the entire right, title and interest, any and all Letters Patent for said inventions or improvements, including any and all Letters Patent of the United States which may be issued and granted on or as a result of the application aforesaid, in accordance with the terms of this assignment.

we further authorize and direct our attorneys to insert below\* the serial number and filing date of said application now identified as Case No. UPN-2696 as soon as the same shall have been made known to them by the United States Patent Office.

IN WITNESS WHEREOF, we have hereunto set our hand and seal.

	(L.S.)
Jean Chin Chin Gan	
	(L.S.)
Paul Ducheyne	
	(L.S.)
Edward Presilovic	
	(L.S.)
Irving Shapiro	

[WHERE ALL INVENTORS SIGN BEFORE THE SAME NOTARY:]

Pennsylvania :

COUNTY OF Philadelphia

SS

On this 14th day of October, 1944, before me personally came the above named Jean Chuchingen, Paul Duchene, Edward Vesilovic, Irving Shapiro to me personally known and known to me to be the same individuals who executed the foregoing assignment, and who acknowledged to me that they executed the same of their own free will for the use and purposes therein set forth.

Melicia J. Williams  
Notary Public

[WHERE INVENTORS SIGN BEFORE SEPARATE NOTARIES:]

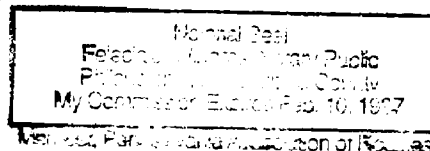
\_\_\_\_\_ :

SS

COUNTY OF \_\_\_\_\_ :

On this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_, before me personally came the above named \_\_\_\_\_ to me personally known and known to me to be the same individual who executed the foregoing assignment, and who acknowledged to me that execution of the same was of that person's own free will for the use and purposes therein set forth.

\_\_\_\_\_  
Notary Public



SS

COUNTY OF \_\_\_\_\_:

On this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_, before me personally came the above named \_\_\_\_\_ to me personally known and known to me to be the same individual who executed the foregoing assignment, and who acknowledged to me that execution of the same was of that person's own free will for the use and purposes therein set forth.

\_\_\_\_\_  
Notary Public

SS

COUNTY OF \_\_\_\_\_:

On this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_, before me personally came the above named \_\_\_\_\_ to me personally known and known to me to be the same individual who executed the foregoing assignment, and who acknowledged to me that execution of the same was of that person's own free will for the use and purposes therein set forth.

\_\_\_\_\_  
Notary Public

SS

COUNTY OF \_\_\_\_\_:

On this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_, before me personally came the above named \_\_\_\_\_ to me personally known and known to me to be the same individual who executed the foregoing assignment, and who acknowledged to me that execution of the same was of that person's own free will for the use and purposes therein set forth.

\_\_\_\_\_  
Notary Public

\*The above assignment covers application Serial No.  
08/694,191, filed on August 8, 1996.

The above insertion made by me this 15<sup>th</sup> day of  
January, 1997.

Rebecca A. Rios  
of WOODCOCK WASHBURN KURTZ  
MACKIEWICZ & NORRIS