

12-23-1998

58

FORM PTO-1595

(Rev. 6-93)

OMB No. 0651-0011 (exp. 4/94)

M&G-11613-13-US-11



100929038

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

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

1. Name of conveying party(ies):

- (1) Jeffrey S. Rubin
- (2) Paul Finch
- (3) Stuart Aaronson
- (4) Xi He

MLD  
12-14-98

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

United States of America  
Represented by the Secretary  
Department of Health and Human Services  
National Institute of Health  
Office of Technology Transfer  
6011 Executive Boulevard, Suite 325  
Rockville, Maryland 20852-3804

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

Additional name(s) & address(es) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment
- ☐ Security Agreement
- ☐ Other:
- ☐ Merger
- ☐ Change of Name

Execution Date: (1) 9/4/98, (2) 9/1/98, (3) 9/10/98, (4) 9/1/98

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)

09/087,031

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: William J. Wood  
Address: Merchant, Gould, Smith, Edell,  
Welter & Schmidt  
Westwood Gateway II, Suite 400  
11150 Santa Monica Blvd.  
Los Angeles, CA 90025-3395

6. Total number of applications and patents involved: 1

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

- ☒ Enclosed
- ☐ Authorized to be charged to deposit account

8. Please charge any additional fees or credit any overpayments to our Deposit account number: 13-2724

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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.

William J. Wood

Name of Person Signing

*W.J. Wood*  
Signature

12/9/98

Date

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PATENT  
REEL: 9652 FRAME: 0103

## ASSIGNMENT

WHEREAS, we, Jeffrey S. Rubin, residing at 14405 Briarwood Terrace, Rockville Maryland 20853, Paul Finch, residing at 6 Quaker Hill Court West, Croton, New York 10520, Stuart Aaronson, residing at 1212 5th Avenue, Apt. 150, New York, New York 10029, and Xi He, residing at 1848 Commonwealth Avenue, Apt. 24, Brighton, Massachusetts 02135, have invented HUMAN FRP AND FRAGMENTS THEREOF INCLUDING METHODS FOR USING THEM for which we have made a patent application for Letters Patent of the United States Serial No. 09/087,031, filed May 29, 1998; and

WHEREAS, we are applicants named in the above-mentioned application for Letters Patent; and

WHEREAS, the conditions under which said invention was made are such as to entitle the Government under Paragraph 1(a) of Executive Order 10096 to the entire right, title, and interest herein, both domestic and foreign; and

WHEREAS, the Government of the United States is desirous of acquiring all domestic and foreign right, title, and interest in the above-mentioned invention described in the application for Letters Patent; and

NOW, THEREFORE, for good and valuable consideration the receipt of which is hereby acknowledged, we hereby assign and transfer to the United States of America, represented by the Secretary, Department of Health and Human Services, the full and exclusive rights in and to said invention in the U.S. and within each and every foreign country in which the Government elects to file and the entire right, title, and interest in and to such applications, and any patent applications based upon said provisional application, any continuations, continuations-in-part, divisions, reissues or extensions thereof, and including priority rights as may be filed in the U.S. and foreign countries, and such Letters Patent as may be granted to be held by the Government to the end of the term for which the same would have been held by the inventors had this assignment not been made.

We further agree to make, execute, and deliver to the Secretary, Department of Health and Human Services, upon request, any and all papers, documents, affidavits, or other instruments that may be necessary in the prosecution of any application or applications for improvements or reissues of Letters Patent, and to assist the Government in every way as may be requested in protecting said invention, provided that any expense of extending such assistance shall be paid by the Government.

IN TESTIMONY WHEREOF, I have hereunto set my hand this 4 day of

September, 1998.

Jeffrey S. Rubin  
Jeffrey S. Rubin

STATE OF Maryland )  
 ) ss.  
COUNTY OF Montgomery )

On this 4<sup>th</sup> day of September, 1998, before me personally appeared Jeffrey S. Rubin to me known and known to me to be the person described in and who executed the foregoing instrument, and she duly acknowledged to me that she executed the same for the uses and purposes therein set forth.

[SEAL]

Theresa W. Lumsden  
Notary Public

**THERESA W. LUMSDEN**  
**NOTARY PUBLIC STATE OF MARYLAND**  
**My Commission Expires April 26, 1999**

IN TESTIMONY WHEREOF, I have hereunto set my hand this 1<sup>st</sup> day of September, 1998.

Paul Finch  
Paul Finch

STATE OF New York )  
COUNTY OF Bronx ) ss.

On this 1<sup>st</sup> day of Sept., 1998, before me personally appeared Paul Finch to me known and known to me to be the person described in and who executed the foregoing instrument, and he duly acknowledged to me that he executed the same for the uses and purposes therein set forth.

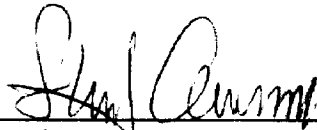
[SEAL]

Essie M. Smith  
Notary Public

ESSIE M. SMITH  
NOTARY PUBLIC State of New York  
No. 03 4792626  
Qualified in Bronx County  
Commission Expires 2/28/99

IN TESTIMONY WHEREOF, I have hereunto set my hand this 10 day of

September, 19 98.



Stuart Aaronson

**KAREN D. PERRY**  
Notary Public, State of New York  
No. 01PE5079349  
Qualified in New York County  
Commission Expires June 2, 1999

STATE OF \_\_\_\_\_

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

On this 10th day of September, 19 98, before me personally appeared Stuart Aaronson to me known and known to me to be the person described in and who executed the foregoing instrument, and he duly acknowledged to me that he executed the same for the uses and purposes therein set forth.

[SEAL]

  
Notary Public

IN TESTIMONY WHEREOF, I have hereunto set my hand this first day of

September, 1998.

  
Xi He

STATE OF Massachusetts)  
COUNTY OF USA) ss.

On this 1<sup>st</sup> day of September, 1998, before me personally appeared Xi He to me known and known to me to be the person described in and who executed the foregoing instrument, and he duly acknowledged to me that he executed the same for the uses and purposes therein set forth.

[SEAL]

  
Notary Public  
My Commission Expires JULY 13, 2001