

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4510662

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
JOSEPH H SCHULMAN	06/24/2010
MANN MEDICAL RESEARCH ORGANIZATION	04/15/2013
DAVID L HANKIN	05/10/2013
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	THE ALFRED E. MANN FOUNDATION FOR SCIENTIFIC RESEARCH
<b>Street Address:</b>	P. O. BOX 905
<b>City:</b>	SANTA CLARITA
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	91380-9005
<b>PROPERTY NUMBERS Total: 2</b>	
<b>Property Type</b>	<b>Number</b>
<b>Patent Number:</b>	9480410
<b>Application Number:</b>	15294578
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(661)702-6710
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	661-702-6787
<b>Email:</b>	mariel@aemf.org
<b>Correspondent Name:</b>	MARIE LAU
<b>Address Line 1:</b>	ALFRED E. MANN FOUNDATION
<b>Address Line 2:</b>	P. O. BOX 905
<b>Address Line 4:</b>	SANTA CLARITA, CALIFORNIA 91380-9005
<b>ATTORNEY DOCKET NUMBER:</b>	M07-DIV & M07-CON
<b>NAME OF SUBMITTER:</b>	MARIE LAU
<b>SIGNATURE:</b>	/marie lau/
<b>DATE SIGNED:</b>	07/19/2017
<b>Total Attachments: 3</b>	
source=M07-USA Assignment Schulman to MMRO#page1.tif	
source=2013-04-15 Assignment MMRO to AMF#page1.tif	



**ASSIGNMENT OF PATENT APPLICATION**

FOR GOOD AND VALUABLE CONSIDERATION,

I, the undersigned hereby agree to assign for good and valuable consideration, receipt of which is hereby expressly acknowledged, and do hereby sell, assign and transfer unto:

MANN MEDICAL RESEARCH ORGANIZATION

a corporation organized under the laws of the state of California as Assignee, and its successors, assigns and legal representatives, the entire right, title and interest, for all countries, in and to certain inventions relating to:

**STIFFNESS ENHANCED FILAMENTS**

described in an application for Letters Patent of the United States, identified as Attorney Docket No. M07-USA at MANN MEDICAL RESEARCH ORGANIZATION, 25134 Rye Canyon Loop, Suite 200, Santa Clarita, CA 91355 and the invention(s) and improvement(s) set forth therein, and any and all continuations, continuations-in-part, divisionals, and renewals of and substitutes for said application for said Letters Patent, and all the rights and privileges under any and all Letters Patent that may be granted therefor in any country, and any reissues, or reexaminations, or extensions of said Letters Patent. I request that any and all Letters Patent for said inventions be issued to said Assignee, its successors, assigns and legal representatives, or to such nominees as it may designate.

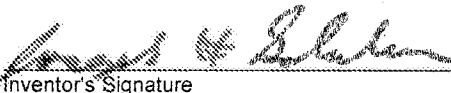
I agree that, when requested, I shall, without charge to said Assignee but at its expense, sign and execute all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing and maintaining patents for said inventions in any and all countries and for vesting, the entire right, title and interest thereto in said Assignee, its successors, assigns and legal representatives or nominees.

I authorize and empower said Assignee, its successors, assigns and legal representatives or nominees, to invoke and claim for any application for patent or other form of protection for said inventions filed by it or them, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from me.

I hereby consent that a copy of this Assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may be required in any country for any purpose and more particularly in proof of the right of said Assignee or nominee to claim the aforesaid benefit of the right of priority provided by the International convention which may henceforth be substituted for it.

I covenant with said Assignee, its successors, assigns and legal representatives, that the rights and property herein conveyed are free and clear of any encumbrance, and that I have full right to convey the same as herein expressed.

IN WITNESS WHEREOF, I have hereunto signed my name on the day and year set forth below.

  
Inventor's Signature

6-24-2010  
DATE

JOSEPH H. SCHULMAN  
Inventor's Printed Name

STATE OF CALIFORNIA            )  
  ) SS  
COUNTY OF LOS ANGELES    )

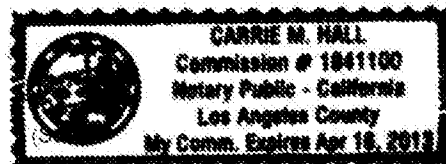
On June 24, 2010 before me, Carrie M. Hall NOTARY PUBLIC,

personally appeared JOSEPH H. SCHULMAN, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Carrie M. Hall  
Signature



## PATENT ASSIGNMENT

WHEREAS, Mann Medical Research Organization, ("ASSIGNOR"), is a California corporation, having a place of business at 25134 Rye Canyon Loop, Santa Clarita, CA 91355;

WHEREAS, Alfred E. Mann Foundation for Scientific Research, ("ASSIGNEE"), a California corporation located at 25134 Rye Canyon Loop, Santa Clarita, CA 91355;

WHEREAS, ASSIGNOR owns the entire right, title and interest in and to the United States patent application serial number 12/819,698; entitled "STIFFNESS ENHANCED FILAMENTS "; filed on June 21, 2010 ("Application");

WHEREAS, ASSIGNEE desires to acquire the entire right, title and interest in and to the Application and to all national and regional filings based thereon within of the United States;

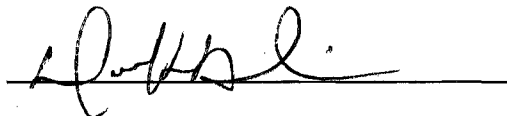
NOW, THEREFORE, for valuable consideration, the receipt and legal sufficiency of which ASSIGNOR acknowledges, ASSIGNOR has and hereby does assign and transfer to ASSIGNEE, its successors and assigns, the entire right, title and interest in and to:

1. The Application;
2. All applications that are based on or claim priority from the Application, including all divisionals and continuations thereof ("Application Family");
3. All patents which may be granted on the Application and Application Family by the United States of America, its territories and possessions, and by all foreign countries, including all priority rights and all reissues thereof ("Patents"); and
4. The right to sue for past infringement of the Application, Application Family and Patents.

This Assignment does not include any other patent or patent application owned by ASSIGNOR, including, without limitation, any continuations, divisionals or reissues thereof.

ASSIGNOR agrees, at the request of ASSIGNEE, to sign any and all papers reasonably needed to file and prosecute the Application and Application Family.

Dated: April 15, 2013



David L. Hankin  
President  
Mann Medical Research Organization

Ref: M07-USA

# ASSIGNMENT OF PATENT APPLICATION

FOR GOOD AND VALUABLE CONSIDERATION,

I, the undersigned hereby agree to assign for good and valuable consideration, receipt of which is hereby expressly acknowledged, and do hereby sell, assign and transfer unto:

THE ALFRED E. MANN FOUNDATION FOR SCIENTIFIC RESEARCH

a corporation organized under the laws of the state of California as Assignee, and its successors, assigns and legal representatives, the entire right, title and interest, for all countries, in and to certain inventions relating to:

## STIFFNESS ENHANCED FILAMENTS

described in an application for Letters Patent of the United States, identified as Attorney Docket No. M07-USA at MANN MEDICAL RESEARCH ORGANIZATION, 25134 Rye Canyon Loop, Suite 200, Santa Clarita, CA 91355 and the invention(s) and improvement(s) set forth therein, and any and all continuations, continuations-in-part, divisionals, and renewals of and substitutes for said application for said Letters Patent, and all the rights and privileges under any and all Letters Patent that may be granted therefor in any country, and any reissues, or reexaminations, or extensions of said Letters Patent. I request that any and all Letters Patent for said inventions be issued to said Assignee, its successors, assigns and legal representatives, or to such nominees as it may designate.

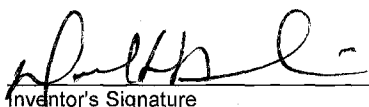
I agree that, when requested, I shall, without charge to said Assignee but at its expense, sign and execute all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing and maintaining patents for said inventions in any and all countries and for vesting, the entire right, title and interest thereto in said Assignee, its successors, assigns and legal representatives or nominees.

I authorize and empower said Assignee, its successors, assigns and legal representatives or nominees, to invoke and claim for any application for patent or other form of protection for said inventions filed by it or them, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from me.

I hereby consent that a copy of this Assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may be required in any country for any purpose and more particularly in proof of the right of said Assignee or nominee to claim the aforesaid benefit of the right of priority provided by the International convention which may henceforth be substituted for it.

I covenant with said Assignee, its successors, assigns and legal representatives, that the rights and property herein conveyed are free and clear of any encumbrance, and that I have full right to convey the same as herein expressed.

IN WITNESS WHEREOF, I have hereunto signed my name on the day and year set forth below.

  
Inventor's Signature

5/10/13  
DATE

DAVID L. HANKIN  
Inventor's Printed Name