

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3157647

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
FREDERICK S KAPLAN	11/25/2014
EILEEN M SHORE	11/25/2014
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA
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<b>Internal Address:</b>	CENTER FOR TECHNOLOGY TRANSFER
<b>City:</b>	PHILADELPHIA
<b>State/Country:</b>	PENNSYLVANIA
<b>Postal Code:</b>	19104-6283
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	14521143
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(646)878-0801
<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>	
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<b>ATTORNEY DOCKET NUMBER:</b>	P-8682-US2
<b>NAME OF SUBMITTER:</b>	DAHLIA GOODMAN
<b>SIGNATURE:</b>	/DG/
<b>DATE SIGNED:</b>	12/22/2014
<b>Total Attachments: 3</b>	
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ASSIGNMENT

In exchange for valuable consideration, and other good and valuable consideration, the Receipt of which is hereby acknowledged, I the undersigned, KAPLAN, Frederick S. residing at 210 West Rittenhouse Square, Apt# 2307, Philadelphia, PA 19103; SHORE, Eileen M. residing at 6018 Sheaff Lane, Fort Washington, PA 19034,

Hereby sell, assign and transfer to The Trustees Of The University Of Pennsylvania, located at Center for Technology Transfer, 3160 Chestnut Street, Suite 200, Philadelphia, PA 19104-6283, its successors, assigns and legal representatives (hereinafter, the "Assignee"), the entire right, title and interest for all countries, in and to any and all inventions which are disclosed and claimed, and as possessed by the undersigned, any and all inventions which are disclosed but not claimed in the application United States Patent U.S. Serial No. 14/521,143 filed October 22, 2014 and is entitled

**MUTATED ACVR1 FOR DIAGNOSIS AND TREATMENT OF FIBRODYPLASIA  
OSSIFICANS PROGRESSIVA (FOP)**

and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other applications for U.S. Letters Patent or other related property rights in any and all foreign countries which have been or shall be filed on any of said inventions disclosed in said application; and in and to all original and reissued patents or related foreign documents which have been or shall be issued on said inventions.

Authorize and request the Commissioner of Patents of the United States to issue to said Assignee, the corporation above named, its successors, assigns and legal representatives, in accordance with this assignment, any and all United States Letters Patent on said inventions or any of them disclosed in said application;

Agree that said Assignee may apply for and receive foreign Letters Patent or rights of any other kind for said inventions, or any of them; and may claim, in applications for said foreign Letters Patent or other rights, the priority of the aforesaid United States patent application under the provisions of the International Convention of 1883 and later modifications thereof, under the Patent Cooperation Treaty, under the European Patent Convention or under any other available international agreement; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the under-signed or the undersigned's executors or administrators will, for the United States and all foreign countries, execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications or other documents on any and all said inventions; execute all rightful

oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns and representatives, all facts known and documents available to the undersigned relating to said inventions and the history thereof; testify in all legal proceedings; and generally do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing, maintaining and enforcing proper patent protection for said inventions and for vesting title to said inventions and all applications for patents or related foreign rights and all patents on said inventions, in said Assignee, its successors, assigns and legal representatives; and

**COVENANT** with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

**COVENANT** with said Assignee, its successors, assigns and legal representatives that A written release or promise hereafter made and signed by the person releasing or promising, shall not be invalid or unenforceable for lack of consideration, if the writing also contains an additional express statement, in any form of language, that the signer intends to be legally bound.

Nov. 25, 2014  
(month / day / year)

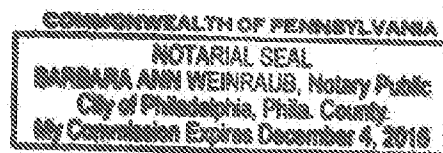
Frederick S. Kaplan  
KAPLAN, Frederick S.

STATE OF: Pennsylvania :  
COUNTY OF: Philadelphia : ss.

Before me, a notary public in and for the State and County aforesaid, on this 25 day of November, 2014, personally appeared KAPLAN, Frederick S., who being to me personally known, and who having first executed the foregoing instrument in my presence and having been by me first duly sworn, did acknowledge the foregoing instrument as his free deed and act, signed, sealed and delivered by him for the purpose therein stated and intending to be legally bound thereby and intending that said instrument be recorded.

Barbara Ann Weintraub  
Notary Public

My Commission Expires: 12/04/2016



11 / 25 / 2014  
(month / day / year)

Eileen M. Shore  
SHORE, Eileen M.

STATE OF: Pennsylvania : ss.  
COUNTY OF: Philadelphia :

Before me, a notary public in and for the State and County aforesaid, on this 25 day of November, 2014, personally appeared SHORE, Eileen M., who being to me personally known, and who having first executed the foregoing instrument in my presence and having been by me first duly sworn, did acknowledge the foregoing instrument as his free deed and act, signed, sealed and delivered by him for the purpose therein stated and intending to be legally bound thereby and intending that said instrument be recorded.

Margaret Kimble  
Notary Public

My Commission Expires:

