

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5603265

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
JULIO C. PALMAZ	09/24/2018
EUGENE A. SPRAGUE	07/18/2018
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<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16435689
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<b>SIGNATURE:</b>	/Benjamin D. Rotman/
<b>DATE SIGNED:</b>	07/03/2019
<b>Total Attachments: 3</b>	
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## ASSIGNMENT AGREEMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, we, **JULIO C. PALMAZ** and **EUGENE A. SPRAGUE** have sold, assigned and transferred and do hereby sell, assign and transfer unto **VACTRONIX SCIENTIFIC, LLC** (hereinafter "ASSIGNEE"), a limited liability company of Delaware, having a principle place of business at 18618 Tuscany Stone, Suite 100, San Antonio, TX 78258-3466, and its successors, assigns and legal representatives, the entire right, title and interest for the United States of America in and to certain inventions relating to improvements in **IMPLANTABLE BIOMATERIALS HAVING FUNCTIONAL SURFACES** described, illustrated and claimed in an application for Letters Patent of the United States of America, filed July 27, 2018 as U.S. Patent Application No. 16/047,297; which is a divisional application of U.S. Patent Application Serial No. 15/219,133, filed July 25, 2016, now U.S. Patent No. 10,034,967; which is a continuation of U.S. Patent Application Serial No. 14/256,674, filed April 18, 2014, now U.S. Patent No. 9,399,087 on July 26, 2016; which is a divisional of U.S. Patent Application Serial No. 13/168,897, filed June 24, 2011, now U.S. Patent No. 8,709,066; which is a continuation of application U.S. Serial No. 11/091,669, filed March 28, 2005, now U.S. Patent No. 8,147,859; which is a continuation of International Application No. PCT/US2003/030383 filed September 26, 2003 (International Publication No. WO 2004/028347), which claims priority to U.S. Provisional Application Serial No. 60/414,031 filed September 26, 2002, together with the entire right, title and interest in and to said application, and in and to Letters Patent which may be issued upon said application, and upon any division, extension, continuation or reissue thereof.

We also hereby sell, assign and transfer unto the said **ASSIGNEE**, the entire right, title and interest in and to said invention and in and to applications for Letters Patent therefor in all countries foreign to the United States of America, including all rights under any and all international conventions and treaties in respect of said inventions and said applications for Letters Patent in foreign countries, and we further authorize the said **ASSIGNEE** to apply for Letters Patent in foreign countries directly in its own name, and to claim the priority of the filing date of the said application for Letters Patent of the United States of America under the provisions of any and all international conventions and treaties.

We hereby authorize and request the Commissioner of Patents of the United States of America to issue Letters Patent upon the aforesaid application, division, extension, continuation or reissue, to the **ASSIGNEE** for the sole use and behoof of said **ASSIGNEE**, its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted, the same as they would have been held and enjoyed by us had this assignment not been made, and we hereby authorize and request the equivalent authorities in foreign countries to issue the patents of their respective countries to the said **ASSIGNEE**.

We agree that, when requested, we will, without charge to said **ASSIGNEE**, but at its expense, sign 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 all countries and for vesting title thereto in said **ASSIGNEE**, its successors, assigns and legal representatives or nominees.

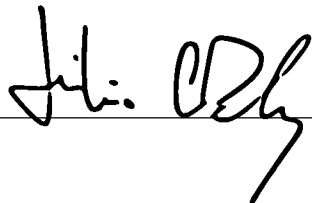
We covenant with said **ASSIGNEE**, its successors, assigns and legal representatives, that the interest and property hereby conveyed is free from all prior assignment, grant, mortgage, license or other encumbrance.

**ASSIGNORS:**

Title of Invention: IMPLANTABLE BIOMATERIALS HAVING  
FUNCTIONAL SURFACES

Assignor's Name: Julio C. Palmaz

Residence Address: 4031 Hagen Road, Napa, CA 94558

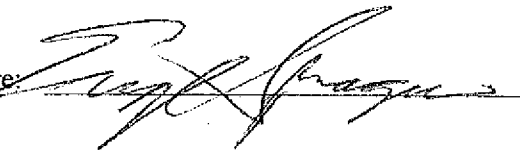
Signature:  \_\_\_\_\_

Date: Sep 24, 2018 \_\_\_\_\_

Title of Invention: IMPLANTABLE BIOMATERIALS HAVING  
FUNCTIONAL SURFACES

Assignor's Name: Eugene A. Sprague

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Signature: 

Date: July 18, 2018