

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
TRAVIS JENNINGS	08/09/2018
CASTLE FUNATAKE	08/09/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	AFFYMETRIX, INC.
<b>Street Address:</b>	5823 NEWTON DRIVE
<b>City:</b>	CARLSBAD
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	92008
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15860965
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(617)720-9601
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<b>Correspondent Name:</b>	BANNER & WITCOFF, LTD.
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<b>ATTORNEY DOCKET NUMBER:</b>	008065.00120\US
<b>NAME OF SUBMITTER:</b>	JOHN P. IWANICKI
<b>SIGNATURE:</b>	/John P. Iwanicki/
<b>DATE SIGNED:</b>	01/28/2019
<b>Total Attachments: 2</b>	
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source=Assignment- Inventors to Affymetrix#page2.tif	

ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency, and adequacy of which are hereby acknowledged, I/we:

1. Travis JENNINGS, a citizen of US; having a mailing address of  
Affymetrix, Inc., 5823 Newton Drive, Carlsbad, CA 92008;  
and a resident of San Diego, CA.

2. Castle FUNATAKE, a citizen of US; having a mailing address of  
Affymetrix, Inc., 5823 Newton Drive, Carlsbad, CA 92008;  
and a resident of San Diego, CA.

do hereby SELL, ASSIGN, AND TRANSFER to AFFYMETRIX, INC., (the "Assignee", a corporation of the State of Delaware) having a place of business at 5823 Newton Drive, Carlsbad, California 92008, USA the entire right, title, and interest for the United States and all foreign countries in and to

(1) any and all inventions, improvements, know-how, and other subject matter described, disclosed, or contained (whether claimed or not) in (a) United States Non-provisional Patent Application, Serial No. 15/469,952, filed on March 27, 2017 entitled POLYFLUORENO[4,5-CDE]OXEPINE POLYMERS AND CONJUGATES THEREOF, (b) all divisional, continuing, design, utility model, substitute, renewal, reissue, reexamination, and all other applications for patent which have been or shall be filed in the United States and all foreign countries that claim priority to or through, any of the foregoing applications; and (c) all original, reissued and reexamined patents which have been or shall be issued in the United States or any foreign country on or resulting from any of the applications referenced in (a) or (b);

(2) any and all inventions, improvements, know-how, and other subject matter described, disclosed, or contained (whether claimed or not) in any of the foregoing applications and patents;

(3) the right to file foreign applications under the provisions of any convention or treaty and claim priority based on any of the foregoing applications in the United States or any other country; and

(4) the copyright in any and all material described, disclosed, or contained in the foregoing applications and patents;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned; and

COVENANT, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will (1) execute any and all papers and documents (including without limitation oaths, declarations, assignments, and powers of attorney) and perform any and all acts reasonably necessary in connection with the filing, prosecution, and issuance of each of the patent applications and patents referenced herein; (2) communicate to the Assignee all facts known to the undersigned relating to each of the patent applications, patents, and improvements referenced herein, and the history thereof; and (3) generally do everything possible that the Assignee shall reasonably consider desirable to vest title in Assignee in and to each of the patent applications, patents, and improvements referenced herein and for securing, maintaining, and enforcing proper patent protections for inventions, improvements, know-how, and other subject matter referenced herein.

ASSIGNOR(S) HEREBY AUTHORIZE AND REQUEST the assignee's agents associated with customer number 28315 to insert above the filing date and application number of said application when known.

TO BE BINDING on the heirs, assigns, representatives, and successors of the undersigned and extend to the successors, assigns, and nominees of the Assignee.

SEVERABILITY. If a provision of this Assignment is or becomes illegal, invalid, or unenforceable in any jurisdiction, that shall not affect (a) the validity or enforceability in that jurisdiction of any other provision of this Assignment, or (b) the validity or enforceability in other jurisdictions of that or any other provision of this Assignment.

Signature:   
Name (1) Travis JENNINGS

Date: 08/09/2018

Signature:   
Name (2) Castle FUNATAKE

Date: 8/9/2018