Docket No.: 3101.1 ... DEPARTMENT OF COMMERCE FORM PTO-1595 (Modified) 02-03-2000 (Rev. 6-93) Patent and Trademark Office OMB No. 0651-0011 (exp.4/94) Copyright 1994-97 ..egalStar Tab settings 🔷 🔷 101259046 To the Honorable Commissioner of Patents and Trademark cuments or copy thereof. 2. Name and address of receiving pa 1. Name of conveying party(ies): Michael Mittmann, David H. Mack and David J. Lockhart Name: Affymetrix, Inc. Internal Address: ☐ Yes ☒ No Additional names(s) of conveying party(ies) Nature of conveyance: Street Address: 3380 Central Expressway Merger ☐ Security Agreement Change of Name City: Santa Clara State: CA ZIP: 95051 Other Execution Date: 11/10/99, 11/16/99, and 11/11/99 4. Application number(s) or registration numbers(s): If this document is being filed together with a new application, the execution date of the application is: B. Patent No.(s) A. Patent Application No.(s) 09/396,196 Additional numbers attached? ☐ Yes ☑ No 5. Name and address of party to whom correspondence 6. Total number of applications and patents involved: concerning document should be mailed: Name: Chief Intellectual Property Counse 7. Total fee (37 CFR 3.41):....\$ 40.00 Internal Address: Legal Department, Affymetrix Inc. ☐ Enclosed - Any excess or insufficiency should be credited or debited to deposit account Authorized to be charged to deposit account Street Address: 3380 Central Expresswa 8. Deposit account number: 01-0431 City: Santa Clara State: CA ZIP: 95051 DO NOT USE THIS SPACE 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 empty of the original document.

Ellen Gonzales, Reg. No. 44,128

Name of Person Signing

Total number of pages including cover sheet, attachments, and document:

Date

ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, Michael Mittmann, David H. Mack, and David J. Lockhart, hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of the Invention: METHODS FOR GENETIC ANALYSIS

Filing Date: September 15, 1999 Application No.: 09/396,196; and

WHEREAS, AFFYMETRIX, INC., a Delaware corporation, located at 3380 Central Expressway, Santa Clara, California, 95051 hereinafter referred to as "Assignee," is desirous of acquiring an interest in the invention and application and in any Letters Patent and Registrations which may be granted on the same;

FOR GOOD AND VALUABLE CONSIDERATION, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

ASSIGNORS further agree that they will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

IN TESTIMONY WHEREOF, A	Assignors have signed their names on the dates indicated.	de .
Date: 11/10/99	By: May Miles	
	Michael Mittmann	
Date:	By:	
	David H. Mack	
Date:	Ву:	
	David J. Lockhart	

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Filing Date: September 15, 1999

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IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Date:	Ву:
Date: 11/16/99	By: Michael Mittman David H. Mack
Date:	By:

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ASSIGNMENT OF PATENT APPLICATION

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IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Date:	By:
	Michael Mittman
Date:	Ву:
	David H. Mack
Date: 11/11/99	By: Waved Kockbut
	David J. Lockhart
	/

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RECORDED: 12/20/1999

PATENT REEL: 010513 FRAME: 0055