12-29-2000 .S. Department of Commerce FORM PTO-1619A Patent and Trademark Office Expires 06/30/99 OMB 0651-0027 **PATENT** 101567084 **PATENTS ONLY** TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies). **Submission Type** Conveyance Type New ☐ Security Agreement Resubmission (Non-Recordation) License ☐ Change of Name Document ID # ☐ Merger ☐ Other Correction of PTO Error ☐ Reel # Frame U.S. Government (For Use ONLY by U.S. Government Agencies) Corrective Document Frame Reel# ☐ Departmental File Secret File Conveying Party(ies) Mark if additional names of conveying parties attached **Execution Date** Month Day Year Name (line 1) Daniel M. Bartell 12 06 2000 Name (line 2) **Execution Date** Second Party Day Year Month Name (line 1) Richard Watts 11 2000 Name (line 2) Mark if additional names of receiving parties attached **Receiving Party** Name (line 1) Affymetrix, Inc. If document to be recorded is an assignment and the Name (line 2) Attn: Chief IP Counsel - Legal Dept. receiving party is not domiciled in the United States, an appointment of a domestic Address (line 1) representative is attached. 3380 Central Expressway (Designation must be a separate document from Address (line 2) Assignment.) Address (line 3) Santa Clara CA 95051 State/Country Zip Code City **Domestic Representative Name and Address** Enter for the first Receiving Party only. Name Address (line 1) Address (line 2) Address (line 3) Address (line 4) FOR OFFICE USE ONLY

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	Assignment of Rights, Title and (Multiple inventors; si	Docket No. 3272				
This is an Assignment of the following rights, title and interest: (check all that apply):						
X	☑ United States of America rights, title and interest in the invention					
X	Foreign rights, title and interest in the invention					
X	United States Patent Application Serial No.					
	Date of Execution: Date of Filing: Herewith					
	United States Provisional Patent Application Serial No.					
	United States Patent No(s).					
	International (PCT) Patent Application Serial No.					
	Other (specify)					
Title of the I	Title of the Invention					
METHODS, SYSTEMS AND COMPUTER SOFTWARE FOR DETECTING PIXEL STUTTER Inventors (assignors)						
	Name	Address	Address			
Daniel M. Bartell		3321 Brittan Ave., #17, San Carlos, CA 94070				
Richard Watts		862 W. Hillsdale Blvd., San Mateo, CA 94403				
Assignee						
	Name	Address				
Affymetrix, Inc.		3380 Central Expressway, Santa Clara, C	A 95051			

[Page 1 of 2]

AS03A/REV01

Assignment of Rights, Title and Interest in Invention (Multiple inventors; single assignee)

Docket No. 3272

Whereas, we, the above-identified Inventors, have invented certain new and useful improvements in the Invention identified above and described in the above-identified patent application(s) and/or patent(s) (hereinafter referred to as "Invention");

And, whereas we desire to assign our above-identified rights, title and interest in the Invention to the above-identified Assignee;

Now, this indenture witnesseth, that for good and valuable consideration, the receipt whereof is hereby acknowledged;

We hereby assign, sell and transfer our above-identified rights, title and interest in said Invention, said application(s) as identified above, including any divisions, continuations, and continuations-in-part thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted or have granted for said Invention, and in and to any and all reissues and reexaminations thereof, and in and to any and all priority rights, Convention rights, and other benefits accruing or to accrue to us with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto, unto said Assignee;

And we hereby authorize and request the Commissioner of Patents and Trademarks to issue any United States Letters Patent which may issue for said Invention to said Assignee, as assignee of the whole right, title and interest thereto;

And we further agree to sign and execute all necessary and lawful future documents, including applications for foreign patents, for filing divisions, continuations and continuations-in-part of said application for patent, and/or, for obtaining any reissue or reissues of any Letters Patent which may be granted for my aforesaid Invention, as the Assignee or its Designee(s) may from time to time require and prepare at its own expense.

Inventors' Signatures (if Notarization is desired, do not sign here and proceed to next page)

Name	Signature/Date
Daniel M. Bartell	Daniel M. Ranth 12/06/00
Richard Watts	Daniel M. Both 12/06/00 Richard Watts 12/11/00
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