

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT2906530

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
HUBERT KOSTER	01/12/1998
DAVID M LOUGH	05/14/1998
RECEIVING PARTY DATA	
Name:	SEQUENOM, INC.
Street Address:	3539 JOHN HOPKINS COURT
City:	SAN DIEGO
State/Country:	CALIFORNIA
Postal Code:	92121
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	10277021
CORRESPONDENCE DATA	
Fax Number:	(612)332-8352
<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>	
Phone:	858-623-3242
Email:	jfeinberg@grantip.com
Correspondent Name:	GRANT IP, INC , C/O PORTFOLIO IP
Address Line 1:	P.O. BOX 52050
Address Line 4:	MINNEAPOLIS, MINNESOTA 55402
ATTORNEY DOCKET NUMBER:	SEQ-2003-RI2
NAME OF SUBMITTER:	GARY H. SILVERSTEIN
SIGNATURE:	/Gary H. Silverstein/
DATE SIGNED:	06/20/2014
Total Attachments: 12	
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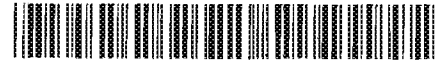


5EQ-2003-RI
 (from original patent)
 UNITED STATES DEPARTMENT OF COMMERCE
 Patent and Trademark Office
 ASSISTANT SECRETARY AND COMMISSIONER
 OF PATENTS AND TRADEMARKS
 Washington, D.C. 20231

SEPTEMBER 30, 1998

PTAS

HELLER EHRMAN WHITE & MCAULIFFE
 DALE L. RIEGER
 4250 EXECUTIVE SQUARE
 SUITE 700
 LA JOLLA, CA 92037



100773018A

UNITED STATES PATENT AND TRADEMARK OFFICE
 NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 06/22/1998

REEL/FRAME: 9320/0718
 NUMBER OF PAGES: 8

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

KOSTER, HUBERT

DOC DATE: 01/12/1998

ASSIGNOR:

LOUGH, DAVID M.

DOC DATE: 05/14/1998

ASSIGNOR:

REUTER, DIRK

DOC DATE: 11/14/1997

ASSIGNOR:

HIGGINS, SCOTT

DOC DATE: 06/02/1998

ASSIGNEE:

SEQUENOM, INC.
 11555 SORRENTO VALLEY ROAD
 SAN DIEGO, CALIFORNIA 92121

SERIAL NUMBER: 08933792

FILING DATE: 09/19/1997

PATENT NUMBER:

ISSUE DATE:



07-23-1998

Atty. Dkt. No. 7352-2003B

Form PTO-1595

RECORDATION 100773018 PATENTS ONLY

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of Conveying party(ies): <u>HELD</u> KÖSTER, Hubert LOUGH, David M. REUTER, Dirk HIGGINS, Scott <u>6-22-98</u>	2. Name and address of receiving Party(ies) SEQUENOM, INC. 11555 Sorrento Valley Road San Diego, California 92121 U.S.A.
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Additional name(s) of conveying party(ies) attached? ___ Yes <u>X</u> No	Additional name(s) & address(es) attached? ___ Yes <u>X</u> No
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3. Nature of conveyance:

X Assignment ___ Merger
 ___ Security Agreement ___ Change of name
 ___ Other _____

Execution Date: Köster 1/12/98, Lough 5/14/98, Reuter 11/14/97, Higgins 6/2/98

4. Application number(s) or patent number(s):
If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No. (s): 08/933,792	B. Patent No. (s)
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Additional numbers attached? ___ Yes X No

5. Name and address of party to whom correspondence concerning document should be mailed: Dale L. Rieger HELLER EHRMAN WHITE & MCAULIFFE 4250 Executive Square Suite 700 La Jolla, CA 92037	6. Total number of Applications and patents involved: <u>1</u> 7. Total fee (37 CFR 3.41) \$ <u>40.00</u> <u>X</u> Charge to deposit account <u>X</u> Authorized to charge any underpayment to deposit account 8. Deposit account Number: <u>08-1641</u>
--	--

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 copy of the original document.

<u>Dale L. Rieger</u> Name of Person Signing Registration No. P43,045	<u>Dale L. Rieger</u> Signature	<u>June 18, 1998</u> Date
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Total number of pages including cover sheet, attachments, and document: 8

ASSIGNMENT

I, Hubert Köster, in consideration of One Dollar and other valuable consideration paid to me by SEQUENOM, INC.

a corporation of Delaware, having its principal place of business at 11555 Sorrento Valley Road, Suite C, San Diego, California 92121, the receipt of which is hereby acknowledged, do hereby sell, assign and transfer unto said

SEQUENOM, INC.

its successors and assigns, the entire interest for the United States of America and all foreign countries including all rights of priority under the International Convention for the Protection of Industrial Property in a certain invention or improvement in

Compositions and Methods for Immobilizing Nucleic Acids to Solid Supports

described in an application

X Serial No. 08/933,792 filed on September 19, 1997

in the United States Patent and Trademark Office, and in all Letters Patent of the United States and all foreign countries which may or shall be granted on said invention, or any parts thereof, or on said application, or any divisional, continuing, reissue or other applications based in whole or in part thereon. And I agree, for myself and my executors and administrators, with said corporation and its successors and assigns but at its or their expense and charges, hereafter to execute all applications, amended specifications, deed or other instrument, and to do all acts necessary or proper to secure the grant of Letters Patent in the United States and in all other countries to said corporation, with specifications and claims in such form as shall be approved by the counsel of said corporation and to vest and confirm in said corporation, its successors and assigns, the legal title to all such patents.

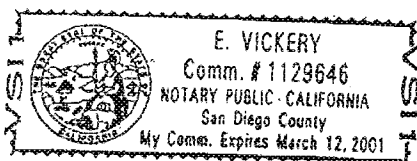
And I do hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said corporation, its successors and assigns.

WITNESS my hand and seal this 12th day of JANUARY, 1998

By: [Signature] Hubert Köster

State of CALIFORNIA)
)ss
County of SAN DIEGO)

Then personally appeared the above named Hubert Köster and acknowledged the foregoing instrument to be his free act and deed, before me, this 12th day of JANUARY, 1998



[Signature]
Notary Public
My commission expires: 3-12-2001

A S S I G N M E N T

I, DAVID M. LOUGH, a citizen of the United Kingdom, residing at 32 Deanhead Road, Eyemouth, Berwickshire TD14 55A, Scotland, United Kingdom, for good and valuable consideration, have assigned and do hereby assign to SEQUENOM, INC., a corporation organized under the laws of Delaware, having its principal place of business at San Diego, California, U.S.A., its successors, assigns and legal representatives, the entire right, title and interest in and to all subject matter disclosed in the application for Letters Patent of the United States Serial No. 08/933,792 entitled:

COMPOSITIONS AND METHODS FOR IMMOBILIZING
NUCLEIC ACIDS TO SOLID SUPPORTS

which was filed on September 19, 1997, and in and to all Convention and Treaty rights of all kinds, in all countries throughout the world, for all such subject matter, including the right to claim for any such foreign applications any priority rights to which such applications are entitled under international conventions, treaties or otherwise and, in and to, all Letters Patent to be obtained for said subject matter by the above application or any continuation, division, continuation-in-part, extension, conversion to 35 USC 111(b) or substitute thereof, and any reissue, reexamination or extension of said Letters Patent.

I agree to do all acts and sign all documents necessary to secure, defend and maintain all said Letters Patent and rights, including any continuations, divisionals, reissues, renewals and extensions, and request issuance of all said Letters Patent to the above Assignee in accordance with this assignment.

DATE:

5/14/98

David Lough
DAVID M. LOUGH

ASSIGNMENT
Köster et al.

Atty. Docket No. 7352-2003B

WITNESSED:

DATE: 5/14/98

Debra Robertson
[SIGNATURE OF WITNESS]

DEBRA ROBERTSON
[PRINTED NAME OF WITNESS]

WITNESSED:

DATE: 5/14/98

Jacqueline L. Cron
[SIGNATURE OF WITNESS]

JACQUELINE L. CRON
[PRINTED NAME OF WITNESS]

ASSIGNMENT

I, Dirk Reuter, in consideration of One Dollar and other valuable consideration paid to me by SEQUENOM, INC.

a corporation of Delaware, having its principal place of business at 11555 Sorrento Valley Road, Suite C, San Diego, California 92121, the receipt of which is hereby acknowledged, do hereby sell, assign and transfer unto said

SEQUENOM, INC.

its successors and assigns, the entire interest for the United States of America and all foreign countries including all rights of priority under the International Convention for the Protection of Industrial Property in a certain invention or improvement in

Compositions and Methods for Immobilizing Nucleic Acids to Solid Supports

described in an application

X Serial No. 08/933,792 filed on September 19, 1997

in the United States Patent and Trademark Office, and in all Letters Patent of the United States and all foreign countries which may or shall be granted on said invention, or any parts thereof, or on said application, or any divisional, continuing, reissue or other applications based in whole or in part thereon. And I agree, for myself and my executors and administrators, with said corporation and its successors and assigns but at its or their expense and charges, hereafter to execute all applications, amended specifications, deed or other instrument, and to do all acts necessary or proper to secure the grant of Letters Patent in the United States and in all other countries to said corporation, with specifications and claims in such form as shall be approved by the counsel of said corporation and to vest and confirm in said corporation, its successors and assigns, the legal title to all such patents.

And I do hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said corporation, its successors and assigns.

WITNESS my hand and seal this 14 day of NOVEMBER, 1997.

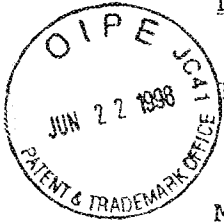
By: [Signature] Dirk Reuter

State of)
)ss
County of)

Then personally appeared the above named Dirk Reuter and acknowledged the foregoing instrument to be his free act and deed, before me, this ___ day of _____, 1997.

Notary Public
My commission expires:

Documents-Register No. 2231/1997



This is to certify that before me

Börries de G r a h l

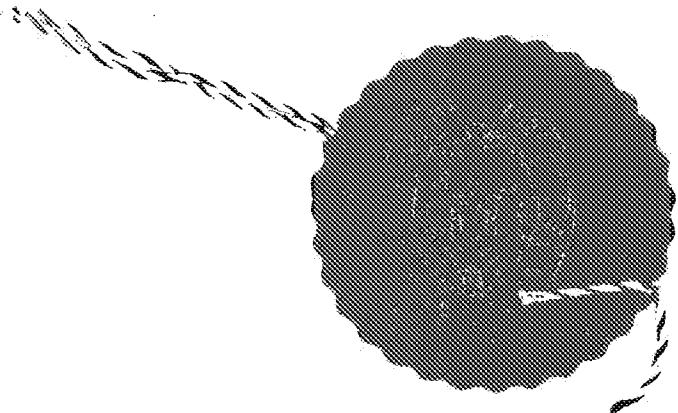
Max-Brauer-Allee 50, D-22765 Hamburg,

a Notary Public in and for the Free and Hanseatic City of Hamburg, Federal Republic of Germany, duly admitted and sworn, appeared this 14th day of November, 1997 in person

Dr. Dirk Josef R e u t e r ,
born 07. April 1957,
residing at: Zylberbergstraße 1, 22457 Hamburg,

identified by Indenty Card, the notary, and acknowledged that he signed and executed the foregoing instrument, as his free and voluntary act and deed, for the uses and purposes therein set forth.

Given under my hand and Notarial seal, this 14th day of November, 1997.




(Notary Public)

33 CASTLEVIEW A
PAISLEY PAR 8EE

OK

Scott Higgins
2 June 1998

A S S I G N M E N T

I, SCOTT HIGGINS, a citizen of the United Kingdom, residing at ~~Haselweg 1, 22880 Wedel, Germany,~~ for good and valuable consideration, have assigned and do hereby assign to SEQUENOM, INC., a corporation organized under the laws of Delaware, having its principal place of business at San Diego, California, U.S.A., its successors, assigns and legal representatives, the entire right, title and interest in and to all subject matter disclosed in the application for Letters Patent of the United States Serial No. 08/933,792 entitled:

COMPOSITIONS AND METHODS FOR IMMOBILIZING
NUCLEIC ACIDS TO SOLID SUPPORTS

which was filed on September 19, 1997, and in and to all Convention and Treaty rights of all kinds, in all countries throughout the world, for all such subject matter, including the right to claim for any such foreign applications any priority rights to which such applications are entitled under international conventions, treaties or otherwise and, in and to, all Letters Patent to be obtained for said subject matter by the above application or any continuation, division, continuation-in-part, extension, conversion to 35 USC 111(b) or substitute thereof, and any reissue, reexamination or extension of said Letters Patent.

I agree to do all acts and sign all documents necessary to secure, defend and maintain all said Letters Patent and rights, including any continuations, divisionals, reissues, renewals and extensions, and request issuance of all said Letters Patent to the above Assignee in accordance with this assignment.

DATE: 2 JUNE 1998

Scott Higgins
SCOTT HIGGINS

ASSIGNMENT
Köster et al.

Atty. Docket No. 7352-2003B

WITNESSED:

DATE: 2nd June 1998

Susan Cochrane
[SIGNATURE OF WITNESS]

SUSAN COCHRANE
[PRINTED NAME OF WITNESS]

WITNESSED:

DATE: 2nd June 1998

James White
[SIGNATURE OF WITNESS]

JAMES WHITE
[PRINTED NAME OF WITNESS]

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Köster et al.
Serial No.: 08/933,792
Filing Date: September 19, 1997
For: COMPOSITIONS AND METHODS FOR IMMOBILIZING NUCLEIC ACIDS
TO SOLID SUPPORTS

CONSENT OF ASSIGNEE TO CORRECT INVENTORSHIP UNDER 37 C.F.R. § 1.48(a)

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

SEQUENOM, INC., a corporation organized under the laws of the State of Delaware, with a current business address of 11555 Sorrento Valley Road, San Diego, California 92121, U.S.A., is the Assignee of the entire right, title and interest in the above-captioned patent application. A Certificate under 37 C.F.R. § 3.73(b) accompanies this Consent.

Sequenom, Inc. hereby consents to correction of inventorship in the above-captioned application, deleting Dirk Reuter and G. Scott Higgins as inventors.

The undersigned (whose title is supplied below) is empowered to act on behalf of the Assignee.

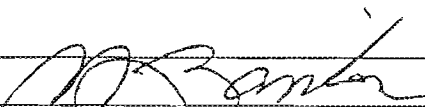
SEQUENOM INC.

Date:

May 23, 1999

Name:

Title:


CFO

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Köster *et al.*

Serial No.: 08/933,792

Filing Date: Sept. 19, 1997

For: COMPOSITIONS AND METHODS FOR IMMOBILIZING NUCLEIC
ACIDS TO SOLID SUPPORTS

INVENTOR'S VERIFIED STATEMENT OF FACTS UNDER 37 C.F.R. §1.48(a)

Assistant Commissioner for Patents
Washington, D.C. 20231

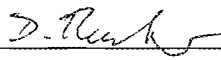
Dear Sir:

I, Dirk Reuter, hereby declare and state:

- (1) I am not a joint inventor of the claimed subject matter of the above-captioned application.
- (2) Through error, I was joined as an inventor at the time the application was filed.
- (3) Error in inventorship in the above-captioned application occurred without deceptive intention on my part.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Date: 3/26/99



Dirk Reuter

05/14/1999 12:24 6193508143
MAY 14 '99 19:28 0141 942 9131

SEQUENOM SAN DIEGO
+44 141 942 9131 6193508143

PAGE 08
P02

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MAY 14 1999 3:31AM

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SEQUENOM SAN DIEGO

HELLER ERMAN WEICE & MCARDIFFE

NO. 735E P. 3

PAGE 02/02

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Köster et al.
Serial No.: 08/833,792
Filing Date: Sept. 19, 1997
For: COMPOSITIONS AND METHODS FOR IMMobilIZING NUCLEIC
ACIDS TO SOLID SUPPORTS

INVENTOR'S VERIFIED STATEMENT OF FACTS UNDER 37 C.F.R. §1.48(a)

Assistant Commissioner for Patents
Washington, D.C. 20231

Dear Sir:


I, G. Scott Higgins, hereby declare and state:

- (1) I am not a joint inventor of the claimed subject matter of the above-captioned application.
- (2) Through error, I was joined as an inventor at the time the application was filed.
- (3) Error in inventorship in the above-captioned application occurred without deceptive intention on my part.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Date:

16 May 1999


G. Scott Higgins