

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT5528928

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
MICHAEL M. BECKER	01/31/2013
LYLE J. ARNOLD	07/17/2009
STEVEN T. BRENTANO	03/12/2008
DMITRY LYAKHOV	01/23/2008
JAMES D. CARLSON	04/02/2008
NORMAN C. NELSON	03/13/2008
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	GEN-PROBE INCORPORATED
<b>Street Address:</b>	10210 GENETIC CENTER DRIVE
<b>Internal Address:</b>	MAIL STOP #1 / PATENT DEPT.
<b>City:</b>	SAN DIEGO
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	92121
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15595353
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(858)410-8928
<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>	
<b>Phone:</b>	(858)410-8000
<b>Email:</b>	kellee.clinton@hologic.com
<b>Correspondent Name:</b>	GEN-PROBE INCORPORATED
<b>Address Line 1:</b>	10210 GENETIC CENTER DRIVE
<b>Address Line 2:</b>	MAIL STOP #1 / PATENT DEPT.
<b>Address Line 4:</b>	SAN DIEGO, CALIFORNIA 92121
<b>ATTORNEY DOCKET NUMBER:</b>	GP198-06.CN4
<b>NAME OF SUBMITTER:</b>	JEFFREY E. LANDES
<b>SIGNATURE:</b>	/Jeffrey E. Landes/
<b>DATE SIGNED:</b>	05/17/2019

PATENT

**Total Attachments: 7**

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**ASSIGNMENT**

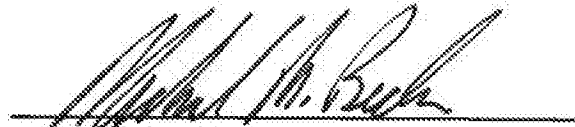
FOR GOOD AND VALUABLE CONSIDERATION, the receipt and sufficiency of which is hereby acknowledged, I, **Michael M. Becker** of **San Diego, California** (hereinafter collectively "ASSIGNOR"), do hereby sell, assign and transfer unto **Gen-Probe Incorporated**, a corporation duly organized and existing under the laws of the State of Delaware and having its principal office and place of business at **10210 Genetic Center Drive, San Diego, California 92121**, and its successors, assigns and legal representatives (hereinafter collectively "ASSIGNEE"), the entire right, title and interest throughout the world in and to those inventions and improvements which are the subject of a United States utility patent application entitled "**METHODS AND COMPOSITIONS FOR NUCLEIC ACID AMPLIFICATION**" filed on **December 20, 2007**, as **U.S. Application Serial No. 11/962,072**, issued on **June 12, 2012** as **U.S. Patent No. 8,198,027** (hereinafter "said application"), and to said application and to any and all regular, continuation, divisional, continuation-in-part, reissue and substitute patent applications thereof all related foreign patents and applications, and all rights of priority under International Conventions and applications for Letters Patent filed for said inventions and improvements in any country or countries foreign to the United States, together with all Letters Patent issuing on any of the aforesaid applications for Letters Patent and all extensions and renewals thereof.

AND ASSIGNOR HEREBY AUTHORIZES ASSIGNEE to make applications in all countries in the names of the ASSIGNOR or in the name of the ASSIGNEE for Letters Patent and like rights of exclusion and for inventor's certificates for said inventions and improvements.

AND ASSIGNOR HEREBY COVENANTS AND AGREES to communicate to ASSIGNEE all facts known to ASSIGNOR concerning said inventions and improvements, and to testify in any legal proceeding, sign all lawful papers, execute all regular, continuation, divisional, continuation-in-part and reissue patent applications, make all rightful oaths, and to perform any other reasonable and lawful act to assist ASSIGNEE in obtaining full protection and title in and to said inventions and improvements in all countries.

AND ASSIGNOR HEREBY AUTHORIZES AND REQUESTS the Commissioner of Patents and Trademarks to issue all Letters Patent of the United States for said inventions and improvements to ASSIGNEE in accordance with the terms of this instrument.

Dated this 31 day of January, 2013

  
Michael M. Becker

**ASSIGNMENT**

FOR GOOD AND VALUABLE CONSIDERATION, the receipt and sufficiency of which is hereby acknowledged, I, **Lyle J. Arnold, Jr. of Poway, California;** (hereinafter collectively "ASSIGNOR"), do hereby sell, assign and transfer unto **Gen-Probe Incorporated**, a corporation duly organized and existing under the laws of the State of Delaware and having its principal office and place of business at **10210 Genetic Center Drive, San Diego, California 92121**, and its successors, assigns and legal representatives (hereinafter collectively "ASSIGNEE"), the entire right, title and interest throughout the world in and to those inventions and improvements which are the subject of a United States application entitled "**METHODS AND COMPOSITIONS FOR NUCLEIC ACID AMPLIFICATION**" filed on **December 21, 2006**, as **U.S. Provisional Application Serial No. 60/871,451** (hereinafter "said application"), and to said application and to any and all regular, continuation, divisional, continuation-in-part, International, reissue and substitute patent applications thereof, and all rights of priority under International Conventions and applications for Letters Patent filed for said inventions and improvements in any country or countries foreign to the United States, together with all Letters Patent issuing on any of the aforesaid applications for Letters Patent and all extensions and renewals thereof.

AND ASSIGNOR HEREBY AUTHORIZES ASSIGNEE to make applications in all countries in the names of the ASSIGNOR or in the name of the ASSIGNEE for Letters Patent and like rights of exclusion and for inventor's certificates for said inventions and improvements.

AND ASSIGNOR HEREBY COVENANTS AND AGREES to communicate to ASSIGNEE all facts known to ASSIGNOR concerning said inventions and improvements, and to testify in any legal proceeding, sign all lawful papers, execute all regular, continuation, divisional, continuation-in-part and reissue patent applications, make all rightful oaths, and to perform any other reasonable and lawful act to assist ASSIGNEE in obtaining full protection and title in and to said inventions and improvements in all countries.

AND ASSIGNOR HEREBY AUTHORIZES AND REQUESTS the Commissioner of Patents and Trademarks to issue all Letters Patent of the United States for said inventions and improvements to ASSIGNEE in accordance with the terms of this instrument.

IN WITNESS WHEREOF, I hereto set my hand and seal at San Diego, California,  
this 17<sup>th</sup> day of JULY, 2009.

By:

Lyle J. Arnold, Jr.

State of California:

ss.

County of San Diego:

On 17 July 2009, before me, Belinda M. Owens,  
(Here insert name and title of the officer)

personally appeared **Lyle J. Arnold, Jr.**, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Belinda M. Owens  
Signature of Notary Public

(Notary Seal)



**ASSIGNMENT**

FOR GOOD AND VALUABLE CONSIDERATION, the receipt and sufficiency of which is hereby acknowledged, we, **Steven T. Brentano of Santee, California; Dmitry Lyakhov of San Diego, California; James D. Carlson of San Diego, California; Norman C. Nelson of San Diego, California;** (hereinafter collectively "ASSIGNOR"), do hereby sell, assign and transfer unto **Gen-Probe Incorporated**, a corporation duly organized and existing under the laws of the State of Delaware and having its principal office and place of business at **10210 Genetic Center Drive, San Diego, California 92121**, and its successors, assigns and legal representatives (hereinafter collectively "ASSIGNEE"), the entire right, title and interest throughout the world in and to those inventions and improvements which are the subject of a United States utility patent application entitled "**METHODS AND COMPOSITIONS FOR NUCLEIC ACID AMPLIFICATION**" filed on **December 20, 2007**, as **U.S. Application Serial No. 11/962,072** (hereinafter "said application"), and to said application and to any and all regular, continuation, divisional, continuation-in-part, reissue and substitute patent applications thereof, and all rights of priority under International Conventions and applications for Letters Patent filed for said inventions and improvements in any country or countries foreign to the United States, together with all Letters Patent issuing on any of the aforesaid applications for Letters Patent and all extensions and renewals thereof.

AND ASSIGNOR HEREBY AUTHORIZES ASSIGNEE to make applications in all countries in the names of the ASSIGNOR or in the name of the ASSIGNEE for Letters Patent and like rights of exclusion and for inventor's certificates for said inventions and improvements.

AND ASSIGNOR HEREBY COVENANTS AND AGREES to communicate to ASSIGNEE all facts known to ASSIGNOR concerning said inventions and improvements, and to testify in any legal proceeding, sign all lawful papers, execute all regular, continuation, divisional, continuation-in-part and reissue patent applications, make all rightful oaths, and to perform any other reasonable and lawful act to assist ASSIGNEE in obtaining full protection and title in and to said inventions and improvements in all countries.

AND ASSIGNOR HEREBY AUTHORIZES AND REQUESTS the Commissioner of Patents and Trademarks to issue all Letters Patent of the United States for said inventions and improvements to ASSIGNEE in accordance with the terms of this instrument.

IN WITNESS WHEREOF, I hereto set my hand and seal at San Diego, California,  
this 12 day of March, 2008.

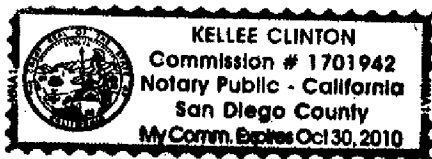
By: Steven T. Brentano  
Steven T. Brentano

State of California \_\_\_\_\_:

ss.

County of San Diego \_\_\_\_\_:

Before me this 12<sup>th</sup> day of MARCH, 2008, personally appeared **Steven T. Brentano** personally known to me (or proved on the basis of satisfactory evidence) to be the person whose name is subscribed to the foregoing Assignment and acknowledged to me that he executed the same as his free act and deed for the purposes therein contained.



Kellee Clinton  
Notary Public

IN WITNESS WHEREOF, I hereto set my hand and seal at San Diego, California,  
this 23 day of JANUARY, 2008.

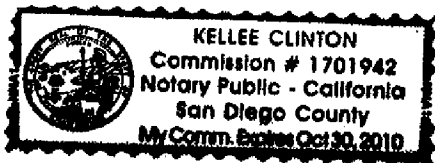
By: Dmitry Lyakhov  
Dmitry Lyakhov

State of California \_\_\_\_\_:

ss.

County of San Diego \_\_\_\_\_:

Before me this 23<sup>RD</sup> day of JANUARY, 2008, personally appeared **Dmitry Lyakhov** personally known to me (or proved on the basis of satisfactory evidence) to be the person whose name is subscribed to the foregoing Assignment and acknowledged to me that he executed the same as his free act and deed for the purposes therein contained.



Kellee Clinton  
Notary Public



IN WITNESS WHEREOF, I hereto set my hand and seal at San Diego, California,  
this 2 day of April, 2008.

By:   
James D. Carlson

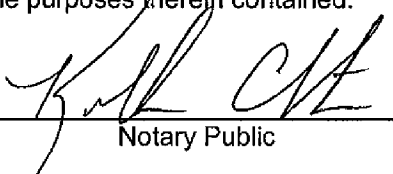
State of California:

ss.

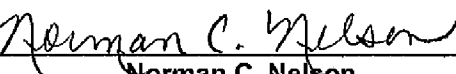
County of San Diego:

Before me this 2nd day of April, 2008, personally appeared **James D. Carlson** personally known to me (or proved on the basis of satisfactory evidence) to be the person whose name is subscribed to the foregoing Assignment and acknowledged to me that he executed the same as his free act and deed for the purposes therein contained.



  
Notary Public

IN WITNESS WHEREOF, I hereto set my hand and seal at San Diego, California,  
this 13 day of March, 2008.

By:   
Norman C. Nelson

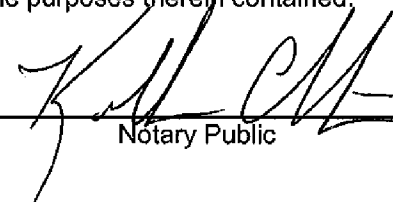
State of California:

ss.

County of San Diego:

Before me this 13 day of MARCH, 2008, personally appeared **Norman C. Nelson** personally known to me (or proved on the basis of satisfactory evidence) to be the person whose name is subscribed to the foregoing Assignment and acknowledged to me that he executed the same as his free act and deed for the purposes therein contained.



  
Notary Public