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PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JAMES D. CARLSON	07/13/2005
STEVEN T. BRENTANO	07/13/2005

RECEIVING PARTY DATA

Name:	Gen-Probe Incorporated
Street Address:	10210 Genetic Center Drive
City:	San Diego
State/Country:	CALIFORNIA
Postal Code:	92121

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14031353

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	GP135-06.CN2	
NAME OF SUBMITTER:	JEFFREY E. LANDES	
Signature:	/Jeffrey E. Landes/	
Date:	10/03/2013	

Total Attachments: 3

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> PATENT REEL: 031337 FRAME: 0701

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ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION, the receipt and sufficiency of which are hereby acknowledged, we, JAMES D. CARLSON of San Diego, CA and STEVEN T. BRENTANO of Santee, CA, (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 provisional patent application entitled "COMPOSITIONS AND METHODS FOR DETECTION OF HEPATITIS A VIRUS NUCLEIC ACID", U.S. Serial No. (To Be Assigned), filed on July 13, 2005, (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.

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ASSIGNMENT	Atty. Docket No. GP135-02.UT
this 13 day of July 2005	t my hand and seal at <u>San Diego, California</u> , 5. By: <u>James D. Carlon</u> James D. Carlson
State of <u>California</u> :	
County of <u>San Diego</u> :	
D. Carlson, proved on the basis of satisfactor	, 2005, personally appeared James y evidence to me to be the person whose name acknowledged to me that he executed the same Notary Public
	KELLEE CLINTON Commission # 1364466 Notary Public - California San Diego County My Comm. Expires Jul 12, 2008