

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
University Hospital of Basel	02/14/2007
RECEIVING PARTY DATA	
Name:	Sequenom, Inc.
Street Address:	3595 John Hopkins Court
City:	San Diego
State/Country:	CALIFORNIA
Postal Code:	92121
PROPERTY NUMBERS Total: 2	
Property Type	Number
Application Number:	13029995
Application Number:	13029999
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ATTORNEY DOCKET NUMBER:	SEQ-5002-DV2,CT
NAME OF SUBMITTER:	Bruce D. Grant, Reg. No. 47608
Total Attachments: 1 source=SEQ-5002-AssignmentBaselSequenom#page1.tif	

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EXHIBIT A
ASSIGNMENT OF PATENTS AND PATENT APPLICATIONS

This ASSIGNMENT OF PATENT APPLICATIONS ("Assignment") shall be effective as of the 18th day of January 2007, between The University Hospital of Basel, having an address at Hebelstrasse 30, 4031 Basel, Switzerland (the "Assignor"), and Sequenom, Inc., a company organized under the laws of the State of Delaware, and having an address at 3595 John Hopkins Court, San Diego, CA 92121 (the "Assignee").

WHEREAS, the Assignor is the owner of United States and foreign patent applications: US2005/164241 A1 (entitled "Non-invasive detection of fetal genetic traits"), and JP2005160470 (A), and EP03405742.2 (collectively, the "Assigned Patent Applications"); and

WHEREAS, the Assignee is desirous of acquiring from the Assignor the entire right, title and interest in, to and under the Assigned Patent Applications and the inventions therein described and claimed, and any and all United States and foreign counterparts thereof including continuation, continuation-in-part, divisional, reexamination, and reissue applications, together with any and all U.S. and foreign patents issued thereupon, including the right to sue for past infringement and recover for past damages.

NOW, THEREFORE, in consideration of and in exchange for valuable consideration, the receipt of which is hereby acknowledged, the Assignor has sold, assigned, transferred and set over, and does hereby sell, assign, transfer and set over to the Assignee, the full and exclusive right, title and interest in and to the Assigned Patent Applications and the inventions therein described and claimed, and any issues or reissues of the Assigned Patent Applications, and any and all United States and foreign counterparts thereof including continuation, continuation-in-part, divisional, reexamination, and reissue applications, together with any and all U.S. and foreign patents issued thereupon, including the right to sue for past infringement and recover for past damages, the same to be held and enjoyed by the Assignee for its own use and enjoyment, and for the use and enjoyment of its successors, assigns or other legal representatives, to the end of the term for which any of the Assigned Patents is granted or reissued as fully and entirely as the same would have been held and enjoyed by the Assignor, if this assignment and sale had not been made.

SEQUENOM, INC.

UNIVERSITY HOSPITAL OF BASEL

By: [Signature]
Print Name: Karsten Schmidt

By: [Signature]
Print Name: Rita Ziegler, lic.occ.

Title: VP, Business Development

Title: Director of University Hospital Basel

Date: Jan 18 - 2007

Date: 14.7.07

[Handwritten signature]