

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT7946200

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	AVAGO TECHNOLOGIES GENERAL IP (SINGAPORE) PTE. LTD.	02/14/2008
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<b>State/Country:</b>	NEW JERSEY	
<b>Postal Code:</b>	07417	
<b>PROPERTY NUMBERS Total: 1</b>		
	<b>Property Type</b>	<b>Number</b>
	Application Number:	17121084
<b>CORRESPONDENCE DATA</b>		
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<b>NAME OF SUBMITTER:</b>	ROBERT HILTON	
<b>SIGNATURE:</b>	/Robert Hilton/	
<b>DATE SIGNED:</b>	05/10/2023	
<b>Total Attachments: 9</b>		
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**PATENT**

**REEL: 063596 FRAME: 0033**

## **PATENT ASSIGNMENT**

This **PATENT ASSIGNMENT** (this "Assignment") is made as of 14 February 2008 by and between **AVAGO TECHNOLOGIES GENERAL IP (SINGAPORE) PTE. LTD.**, (Company Registration No. 200512430D) a company incorporated under the laws of Singapore ("Assignor"), a company organized under the laws of Singapore, and having a primary place of business at No. 1 Yishun Avenue 7, Singapore 768923 ("Assignor"), and Alverix, Inc, having a primary place of business at 2590 North First Street, Suite 100, San Jose, California 95131 ("Assignee"), a Delaware corporation.

### **RECITALS**

WHEREAS, Assignor and Assignee have entered into an Asset Purchase Agreement dated as of October 2007 pursuant to which Assignee acquired certain assets of Assignor; and

WHEREAS, in furtherance of the parties desire to exchange certain patents and patent applications, Assignor now desires to assign to Assignee all of Assignor's right, title and interest in and to the patents and patent applications set forth in Exhibit A to this Assignment ("the Patents").

### **ASSIGNMENT**

NOW, THEREFORE, in consideration of the foregoing premises, the mutual covenants and agreements contained in the Purchase Agreement and the covenants and agreements in this Assignment, Assignor agrees as follows:

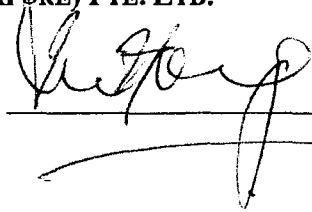
1. Assignor does, subject to any pre-existing license grants, hereby transfer, convey, assign and deliver to Assignee all of Assignor's right, title and interest in and to the Patents, the same to be held by Assignee for Assignee's own use and enjoyment, and for the use and enjoyment of Assignee's successors, assigns and other legal representatives, as fully and entirely as the same would have been held and enjoyed by Assignor if this Assignment and sale had not been made, and all claims for damages and other remedies for past and future infringements of the Patents, along with the right to sue for and collect such damages and other remedies for the use and benefit of Assignee and its successors, assigns and other legal representatives.
2. Assignor agrees to execute and deliver such other documents and to take all such other actions which Assignee, its successors and/or assigns may reasonably request to effect the terms of this Assignment, and to execute and deliver any and all affidavits, testimonies, declarations, oaths, samples, exhibits, specimens and other documentation as may be reasonably required to effect the terms of this Assignment and its recordation in relevant state, national or international patent offices.

IN WITNESS WHEREOF, Assignor has executed this Assignment on the date first above written.

**ASSIGNOR**

**AVAGO TECHNOLOGIES GENERAL IP  
(SINGAPORE) PTE. LTD.**

By:  
Name:  
Title:



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**EXHIBIT A**

**Issued U.S. Patent**

US 7,226,752 Methods for Detecting an Analyte in a Sample

# Patents Pending

Case Number	Sub Case	Country	Application Status	AppNumber	Filed Date	Pub Number	Pub Date	Pat Number	Iss Date	Apptitle
10040545	1	US	Published	11/008912	10-Dec-04	2006-0128034				Diagnostic Test Using Gated Measurement Of Fluorescence From Quantum Dots
10040545	2									
10041608	01	US	Pending	11/336569	19-Jan-06					Methods For Detecting An Analyte In A Sample
10051154	1	US	Pending	11/313091	19-Dec-05					Diagnostic Test Reader With Locking Mechanism
10051154	2									
10051457	1	US		11/518782	11-Sep-06					Rapid Diagnostic Test Systems And Methods
10040213	06	US	Published	11/044394	26-Jan-05	0221505	06-Oct-05			Optoelectronic Rapid Diagnostic Test System
10040213	01	US	Published	10/816636	01-Apr-04	0221504	06-Oct-05			Optoelectronic Rapid Diagnostic Test System
10040213	02									
10040213	03									
10040213	04									
10040213	05									
10040737	01	US	Published	11/004390	03-Dec-04	2006-0122782-A1	08-Jun-06			Read-Write Assay System
10040737	05									
10040737	06									
10040737	04									
10040737	03									
10040737	02									

Case Number	Sub Case	Country	Application Status	App Number	Pub Date	Pub Number	Pat Number	Iss Date	Apptitle
10041069	01	US	Pending	11/236152	26-Sep-05				Array Test Strips With Multiple Labels And Reading Same
10041069	04	US	Pending	11/236152	26-Sep-05				Method And System To Improve Contrast In A Lateral Flow Assay
10041069	03	US	Pending	11/236152	26-Sep-05				Method And System For Measuring Light Propagating At Multiple Wavelengths
10041069	05	US	Pending	11/236152	26-Sep-05				Apparatus And Method For Discriminating Among Lateral Flow Assay Test Indicators
10041069	02	US	Pending	11/236152	26-Sep-05				Method And System To Improve Contrast In A Lateral Flow Assay
10041360	01	US	Published	11/280640	16-Nov-05	20060240568	26-Oct-06		Assay Test Strips And Reading Same
10041361	01	US	Published	11/112807	22-Apr-05	2006-0240541	26-Oct-06		Lateral Flow Assay Systems And Methods
10041361	04	US	Pending	11/112807	22-Apr-05	2006-0240541	26-Oct-06		Method And System To Improve Contrast In A Lateral Flow Assay
10041361	05	US	Pending	11/112807	22-Apr-05	2006-0240541	26-Oct-06		Method And System For Measuring Light Propagating At Multiple Wavelengths
10041361	02	US	Pending	11/112807	22-Apr-05	2006-0240541	26-Oct-06		Apparatus And Method For Discriminating Among Lateral Flow Assay Test Indicators
10041361	03	US	Pending	11/112807	22-Apr-05	2006-0240541	26-Oct-06		Method And System To Improve Contrast In A Lateral Flow Assay
10041589	01	US	Pending	11/290056	30-Nov-05				Obtaining Measurements Of Light Transmitted Through An Assay Test Strip
10041590	01	US	Pending	11/290056	30-Nov-05				Multiple Analyte Detection Systems And Methods Of Detecting Multiple Analytes
10041591	01	US	Pending	11/291647	31-Oct-06				Method And System To Improve Contrast In A Lateral Flow Assay
10041592	01	US	Pending	11/291648	31-Oct-06				Method And System For Measuring Light Propagating At Multiple Wavelengths
10041593	01	US	Published	11/140978	01-Jun-05	2006-0275920	07-Dec-06		Apparatus And Method For Discriminating Among Lateral Flow Assay Test Indicators
10041593	05	US	Pending	11/140978	01-Jun-05	2006-0275920	07-Dec-06		Method And System To Improve Contrast In A Lateral Flow Assay

Case Number	Sub Case	Country	Application Status	App Number	File Date	Pub Number	Pub Date	Pat Number	Iss Date	Appl Title
10041593	03	US	Published	11/148623	09-Jun-05	20060281193	14-Dec-06			Method Of Using Differential Measurement In Two Or More Optical Channels To Improve Sensitivity
10041593	04	US	Pending	11/356159	16-Feb-06					Method Of Using Differential Measurement In Two Or More Optical Channels To Improve Sensitivity
10041593	02	US	Pending	11/369573	07-Mar-06					Method Of Using Differential Measurement In Two Or More Optical Channels To Improve Sensitivity
10041593	06	US	Pending	11/369573	07-Mar-06					Method Of Using Differential Measurement In Two Or More Optical Channels To Improve Sensitivity
10041602	01	US	Pending	11/369573	07-Mar-06					Method Of Using Differential Measurement In Two Or More Optical Channels To Improve Sensitivity
10041602	03	US	Pending	11/369573	07-Mar-06					Method Of Using Differential Measurement In Two Or More Optical Channels To Improve Sensitivity
10041602	02	US	Pending	11/369573	07-Mar-06					Method Of Using Differential Measurement In Two Or More Optical Channels To Improve Sensitivity
10041602	05	US	Pending	11/369573	07-Mar-06					Method Of Using Differential Measurement In Two Or More Optical Channels To Improve Sensitivity
10041602	04	US	Pending	11/369573	07-Mar-06					Method Of Using Differential Measurement In Two Or More Optical Channels To Improve Sensitivity
10041605	01	US	Pending	11/369573	07-Mar-06					Method Of Using Differential Measurement In Two Or More Optical Channels To Improve Sensitivity
10041606	01	US	Pending	11/369573	07-Mar-06					Method Of Using Differential Measurement In Two Or More Optical Channels To Improve Sensitivity
10041609	01	US	Pending	11/369573	07-Mar-06					Method Of Using Differential Measurement In Two Or More Optical Channels To Improve Sensitivity
10041616	01	US	Pending	11/369573	07-Mar-06					Method Of Using Differential Measurement In Two Or More Optical Channels To Improve Sensitivity
10041622	01	US	Published	11/148623	09-Jun-05	20060281193	14-Dec-06			Non-Optical Reading Of Test Zones
10041622	02	US	Published	11/148623	09-Jun-05	20060281193	14-Dec-06			Non-Optical Reading Of Test Zones
10041622	04	US	Published	11/148623	09-Jun-05	20060281193	14-Dec-06			Non-Optical Reading Of Test Zones
10041622	05	US	Published	11/148623	09-Jun-05	20060281193	14-Dec-06			Non-Optical Reading Of Test Zones
10041622	03	US	Published	11/148623	09-Jun-05	20060281193	14-Dec-06			Non-Optical Reading Of Test Zones



Case Number	Sub Case	Country	Application Status	App Number	File Date	Pub Number	Pub Date	Pat Number	Iss Date	Appt Title
10041623	01	US	Published	11/019183	23-Dec-04	2006-0142947	29-Jun-06			A Method And Apparatus For Reading An Assay Using Low Resolution Detection
10041623	06									
10041623	03									
10041623	02									
10041623	04									
10041623	05									
10041625	01	US	Pending	11/588038	25-Oct-06					Position Sensitive Indicator Detection
10041626	01	US	Published	11/013373	17-Dec-04	20060132786	22-Jun-06			Sensor Having Integrated Light Detector And/or Light Source
10041626	06									
10041626	05									
10041626	03									
10041626	04									
10041626	02									
10041627	01	US	Published	11/017748	22-Dec-04	20060132765	22-Jun-06			Integrated Optoelectronic System For Measuring Fluorescence Or Luminescence Emission Decay
10041627	03									

Case Number	Sub Case	Country	Application Status	AppNumber	PubDate	Pub Number	Pat Number	IssDate	AppTitle
10041627	06								
10041627	07								
10041627	04								
10041627	05								
10041627	02								
10041629	01	US	Published	1/148622	09-Jun-05	20060281190	14-Dec-06		Analyte Detection Using Luminescence Concentration
10041629	02								
10041629	04								
10041629	03								
10041629	05								
10041630	01	US	Pending	11/285413	22-Nov-05				Assaying Test Strips Having Different Capture Reagents
10050858	01	US	Pending	11/523956	20-Sep-06				Diagnostic Test System
10051624	01	US	Pending	11/312951	19-Dec-05				Diagnostic Test Reader With Disabling Unit
10051624	04								
10051624	05								
10051624	03								
10051624	02								

Case Number	Sub	Application					Pat	App Title
10051625	1	US	Pending	11/567156	05-Dec-06			Indicating Status Of A Diagnostic Test System
10060025	1	US	Pending	60/840157	25-Aug-06			Method And System For Activating And Deactivating An Assay Reader System
10060025	2	US	Pending	11/607352	30-Nov-06			System And Method For Enabling And Disabling A Portable Assay Reader Device
10041621	1	US	Pending		31-Jan-07			
10060267	1	US	Pending		22-Jan-07			

PATENT

REEL: 063596 FRAME: 0042

RECORDED: 05/10/2023