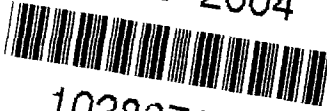


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To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

**1. Name of conveying party(ies)/Execution Date(s):**

Orchid Biosciences, Inc.

Execution Date(s) June 2, 2004

Additional name(s) of conveying party(ies) attached?  Yes  No

**3. Nature of conveyance:**

- Assignment  Merger
- Security Agreement  Change of Name
- Government Interest Assignment
- Executive Order 9424, Confirmatory License
- Other \_\_\_\_\_

**2. Name and address of receiving party(ies)**

Name: Beckman Coulter, Inc.

Internal Address: \_\_\_\_\_

Street Address: 4300 North Harbor Boulevard

City: Fullerton

State: California

Country: USA

Zip: 92834-3100

Additional name(s) & address(es) attached?  Yes  No

**4. Application or patent number(s):**

This document is being filed together with a new application.

**A. Patent Application No.(s)**

09/618,178  
09/896,650  
09/097,791

**B. Patent No.(s)**

5,916,766	6,225,109	5,919,626	6,136,962	6,387,626
5,762,876	5,837,860	6,030,782	6,322,968	6,337,188
6,235,473	6,245,507			

Additional numbers attached?  Yes  No

**5. Name and address to whom correspondence concerning document should be mailed:**

Name: Scott D. Locke, Esq.

Internal Address: Kalow & Springut LLP

Street Address: 488 Madison Avenue

19th Floor

City: New York

State: NY

Zip: 10022

Phone Number: (212) 813-1600

Fax Number: (212) 813-9600

Email Address: slocke@creativity-law.com

**6. Total number of applications and patents involved:**

26

**7. Total fee (37 CFR 1.21(h) & 3.41) \$ 1040.00**

- Authorized to be charged by credit card
- Authorized to be charged to deposit account
- Enclosed
- None required (government interest not affecting title)

**8. Payment Information**

a. Credit Card Last 4 Numbers \_\_\_\_\_  
Expiration Date \_\_\_\_\_

b. Deposit Account Number 11-0171

Authorized User Name Sandra Aquila

**9. Signature:**

Signature

September 13, 2004

Date

Scott D. Locke, Esq., Registration No.: 44,877

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: 10

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

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# RECORDATION FORM COVER SHEET PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

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Orchid Biosciences, Inc.

Execution Date(s) June 2, 2004

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Name: Beckman Coulter, Inc.

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Street Address: 4300 North Harbor Boulevard

City: Fullerton

State: California

Country: USA

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2004 SEP 15 PM 2:30  
FINANCE SECTION

Zip: 92834-3100

Additional name(s) & address(es) attached?  Yes  No

**3. Nature of conveyance:**

- Assignment  Merger
- Security Agreement  Change of Name
- Government Interest Assignment
- Executive Order 9424, Confirmatory License
- Other \_\_\_\_\_

**4. Application or patent number(s):**

This document is being filed together with a new application.

A. Patent Application No.(s)

60/167,931

B. Patent No.(s)

6,495,363	5,679,524	5,952,174	6,294,336	5,518,900
5,610,287	6,585,939	6,395,559	6,287,821	5,908,755

Additional numbers attached?  Yes  No

**5. Name and address to whom correspondence concerning document should be mailed:**

Name: Scott D. Locke, Esq.

Internal Address: Kalow & Springut LLP

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26

**7. Total fee (37 CFR 1.21(h) & 3.41) \$ 1040.00**

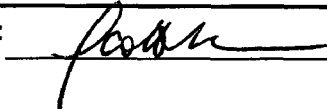
- Authorized to be charged by credit card
- Authorized to be charged to deposit account
- Enclosed
- None required (government interest not affecting title)

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Authorized User Name Sandra Aguila

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Scott D. Locke, Esq., Registration No.: 44,877

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Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

**ASSIGNMENT**

In consideration of Ten Dollars (\$10.00), and other good and valuable considerations, the receipt and sufficiency of which is hereby acknowledged, the undersigned:

**Orchid Biosciences, Inc.**, a Delaware corporation having a place of business at 4390 U.S. Route One Princeton, New Jersey 08540, USA ("Assignor");

**DOES HEREBY:**

**Confirm and ratify** the transfer of assets pursuant to the Asset Purchase Agreement between Assignor and Beckman Coulter, Inc., a Delaware corporation having a place of business at 4300 North Harbor Boulevard, Fullerton, California 92834-3100, USA ("Assignee"), dated December 19, 2002 (hereinafter "Purchase Agreement").

**Sell, assign and transfer** to Assignee, its successors, assigns and legal representatives, the entire right, title and interest for all countries to the extent held by Assignors (i) in and to any and all inventions which are disclosed and claimed and any and all inventions which are disclosed but not claimed, in the patents and applications for patents listed on Schedule A; (ii) in and to said patents and applications and all divisional, continuation, continuing, substitute, renewal, reissue and all other applications for patents or other related property rights in any and all countries which have been or shall be filed on any of said inventions disclosed in said patents or applications listed on Schedule A; and (iii) in and to all original and reissued patents or related foreign certificates which have been or shall be issued on said inventions.

**Authorize** and request the United States Patent and Trademark Office and foreign patent offices to issue to said Assignee, its successors and assigns, in accordance with this assignment, any and all patents or related certificates granted on any of said inventions.

**Agree** that said Assignee may apply for and receive patents or rights of any other kind for said inventions, or any of them and may claim, in applications for said patents or other rights, the

priority of any of the patents or applications listed on Schedule A under the provisions of the International Convention of 1883 and later modifications thereof, under the Patent Cooperation Treaty, under the European Patent Convention or under any other available international agreement; and that, when requested, without charge to, but at the expense of, said Assignee, its successors and assigns, to carry out in good faith the intent and purpose of this assignment, the undersigned will, for the United States and all foreign countries, execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications or other documents on any and all said inventions; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors or assigns, all facts known and documents available to the undersigned relating to said inventions and the history thereof; testify in all legal proceedings; and generally do everything possible which said Assignee, its successors and assigns shall consider desirable for aiding in securing, maintaining and enforcing proper patent protection for said inventions and for vesting title to said inventions and all applications and patents or related foreign rights, in said Assignee, its successors and assigns.

**Covenant** with said Assignee, its successors and assigns that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Schedule A						
Docket	Title	Inventor	Publ/Pat #	Publ/Issue Date	Country	Serial #
	Amplification Method for a Polynucleotide	Kumar, R.	5,916,776	6/29/1999	US	08/924,763
	Amplification Method for a Polynucleotide	Kumar, R.	WO 99/103538	3/4/1999	PCT	US98/17773
	Analysis Device	Dapprich, J.; Scribner, R.	6,225,109	5/1/2001	US	09/321,170
13027	Attachment of Unmodified Nucleic Acids to Silanized Solid Phase Surfaces	Shi, J.	5,919,626	7/6/1999	US	08/870,010
13027-1	Attachment of Unmodified Nucleic Acids to Silanized Solid Phase Surfaces	Shi, J.	6,136,962	10/24/2000	US-1	09/102,371
13027PCTAU	Attachment of Unmodified Nucleic Acids to Silanized Solid Phase Surfaces	Shi, J.	739,412	1/24/2002	Australia	77,260/98
13027PCT	Attachment of Unmodified Nucleic Acids to Silanized Solid Phase Surfaces	Shi, J.	98/55593	12/10/1998	PCT	US98/11662
13027PCTEP	Attachment of Unmodified Nucleic Acids to Silanized Solid Phase Surfaces	Shi, J.	996705	5/3/2000	EP	98925267.1
13027PCTCA	Attachment of Unmodified Nucleic Acids to Silanized Solid Phase Surfaces	Shi, J.			CA	2292896
13027PCTJP	Attachment of Unmodified Nucleic Acids to Silanized Solid Phase Surfaces	Shi, J.			JP	502940/98
13027-2	Attachment of Unmodified Nucleic Acids to Silanized Solid Phase Surfaces	Shi, J.	6387626	5/14/2002	US-2	09/638,436
13027PCTEPHK	Attachment of Unmodified Nucleic Acids to Silanized Solid Phase Surfaces	Shi, J.			Hong Kong	106619.8
13151	Automatic Genotype Determination	Lincoln, S.	5,762,876	6/9/1998	US	08/362,266
13151-PCT	Automatic Genotype Determination	Lincoln, S.	95/17524	6/29/1995	PCT	US94/14836
13151PCTEP	Automatic Genotype Determination	Lincoln, S.	0736107	3/19/2003	EP	95906094.8
13151-2	Automatic Genotype Determination	Lincoln, S.			US-2	09/618178
13032	Covalent Attachment of Nucleic Acid Molecules onto Solid-Phases via Disulfide Bonds	Anderson, S.	5,837,860	11/17/1998	US	08/812,010
13032-1	Covalent Attachment of Nucleic Acid Molecules onto Solid-Phases via Disulfide Bonds	Anderson, S.	6,030,782	2/29/2000	US-1	08/975,862

34234.3

Schedule A						
Docket	Title	Inventor	Publ/Pat #	Publ/Issue Date	Country	Serial #
13032PCTAU	Covalent Attachment of Nucleic Acid Molecules onto Solid-Phases via Disulfide Bonds	Anderson, S.	739010	10/4/2001	Australia	65402/98
13032PCT	Covalent Attachment of Nucleic Acid Molecules onto Solid-Phases via Disulfide Bonds	Anderson, S.	WO 98/39481	9/11/1998	PCT	US98/04114
13032PCTCA	Covalent Attachment of Nucleic Acid Molecules onto Solid-Phases via Disulfide Bonds	Anderson, S.			Canada	2,252,911
13032PCTJP	Covalent Attachment of Nucleic Acid Molecules onto Solid-Phases via Disulfide Bonds	Anderson, S.	0510710T2	8/22/2000	Japan	538691
13019	DeNovo or Universal Sequencing Array	Head, S.	6,322,968	11/27/2001	US	08/976,427
13019D1	DeNovo or Universal Sequencing Array	Head, S.	6,337,188	1/8/2002	US	09/648312
13019PCT	DeNovo or Universal Sequencing Array	Head, S.	WO 99/27137	6/3/1999	PCT	US98/24966
13019PCTJP	DeNovo or Universal Sequencing Array	Head, S.	2001-524319T2	12/4/2001	Japan	2000-522278
13019PCTEP	DeNovo or Universal Sequencing Array	Head, S.	1034302 A1	9/13/2000	EP	98958115.2
13019PCTEPHK	DeNovo or Universal Sequencing Array	Head, S.			HK	107577.6
13019PCTCA	DeNovo or Universal Sequencing Array	Head, S.			Canada	2,310,077
13019-2	DeNovo or Universal Sequencing Array	Head, S.	2002-0146704 A1	10/10/2002	US	09/896,650
13019PCTAU	DeNovo or Universal Sequencing Array	Head, S.	0752579	9/26/2002	Australia	14216/99
13018	Gene Pen Devices for Array Printing	Friedman, M.	6,235,473	5/22/2001	US	09/109,915
13024	In-line Complete Spectral Fluorescent Imaging of Nucleic Acid Molecules	Bogdanov, V.	6,245,507	6/12/2001	US	09/135,569
13024-1	In-line Complete Spectral Fluorescent Imaging of Nucleic Acid Molecules	Bogdanov, V.	6495363	12/17/2002	US	09/861,137
13016-1	Ligase Polymerase-Mediated Genetic Bit Analysis of Single Nucleotide Polymorphisms and its Use in Genetic Analysis	Nikiforov, T.	5,679,524	10/21/1997	US-1	08/694,835
13016PCTAU	Ligase Polymerase-Mediated Genetic Bit Analysis of Single Nucleotide Polymorphisms and its Use in Genetic Analysis	Nikiforov, T.	694,187	11/5/1998	Australia	18407/95

34234.3

Schedule A						
Docket	Title	Inventor	Publ/Pat #	Publ/Issue Date	Country	Serial #
13016-2	Ligase Polymerase-Mediated Genetic Bit Analysis of Single Nucleotide Polymorphisms and its Use in Genetic Analysis	Nikiforov, T.; Karn, J.; Goelet, P	5,952,174	9/14/1999	US-2	08/929,101
13016PCTJP	Ligase Polymerase-Mediated Genetic Bit Analysis of Single Nucleotide Polymorphisms and its Use in Genetic Analysis	Nikiforov, T.	3175110	6/11/2001	Japan	520829/95
13016PCTCA	Ligase Polymerase-Mediated Genetic Bit Analysis of Single Nucleotide Polymorphisms and its Use in Genetic Analysis	Nikiforov, T.	2182517	8/14/2001	Canada	2182517
13016PCT	Ligase Polymerase-Mediated Genetic Bit Analysis of Single Nucleotide Polymorphisms and its Use in Genetic Analysis	Nikiforov, T.	WO 95/21271	8/10/1995	PCT	US95/01639
13016PCTEP	Ligase Polymerase-Mediated Genetic Bit Analysis of Single Nucleotide Polymorphisms and its Use in Genetic Analysis	Nikiforov, T.	0754240 B1	8/20/2003	EP	95910213.8
13031-1	Method for Determining the Nucleotide Sequence of a Polynucleotide	Boyce-Jacino, M.	6,294,336	9/25/2001	US-1	09/522494
13035-1	Method for Generating Single-Stranded DNA Molecules	Nikiforov, T.	5,518,900	5/21/1996	US-1	08/155,746
13035PCTAU	Method for Generating Single-Stranded DNA Molecules	Nikiforov, T.	674,211	5/13/1997	Australia	61262/94
13035PCT	Method for Generating Single-Stranded DNA Molecules	Nikiforov, T.	WO 94/16090	7/21/1994	PCT	US94/00771
13035PCTCA	Method for Generating Single-Stranded DNA Molecules	Nikiforov, T.			Canada	2,153,898
13035PCTEP	Method for Generating Single-Stranded DNA Molecules	Nikiforov, T.	0679190	5/2/2003	EP	94907855.4
13035PCTJP	Method for Generating Single-Stranded DNA Molecules	Nikiforov, T.	3330946	7/19/2002	Japan	516386/94
13035PCTJPD1	Method for Generating Single-Stranded DNA Molecules	Nikiforov, T.	3421664 B2	4/18/2003	Japan	2001-326550
13030-1	Method for Immobilizing Nucleic Acid Molecules	Nikiforov, T.	5,610,287	3/11/1997	US	08/341,148
13030PCTAU	Method for the Immobilization of Nucleic Acid Molecules	Nikiforov, T.	682,741	3/19/1998	Australia	13032/95
13030PCT	Method for the Immobilization of Nucleic Acid Molecules	Nikiforov, T.	WO 95/15970	6/15/1995	PCT	US94/14096
13030PCTEP	Method for the Immobilization of Nucleic Acid Molecules	Nikiforov, T.	0684952 A1	12/6/1995	EP	95904282.1
13040	Methods of Identifying Optimal Drug Combinations and	Pfost, Dale R.			US	60/167,931

34234.3

Schedule A						
Docket	Title	Inventor	Publ/Pat #	Publ/Issue Date	Country	Serial #
	Compositions Thereof					
	Microstructures for Use in Biological Assays and Reactions	Dapprich, J.	6,585,939	7/1/2003	US	09/512,907
	Microstructures for Use in Biological Assays and Reactions	Dapprich, J.	WO0050871/A1	8/31/2000	PCT	WO 2000 WO 0005320
	Multiple Fluid Sample Processor with Single Well Addressability	Swenson, R.	6,395,559	5/28/2002	US	09/304,870
13026	Nucleotide Analogues with 3'-Pro-Fluorescent Fluorophores in Nucleic Acid Sequence Analysis	Shi, J.	6,287,821	9/11/2001	US	09/095,648
13049	One-Step Nucleic Acid Dipstick Device and Uses Thereof	Kunkel, M.; Boyce-Jacino, M.	WO 00/29112	5/25/2000	PCT	US 99/27347
13065PCT	Polymerase Signaling Assay	Boyce-Jacino, M.; Addelston, M.; Head, S.	WO 99/66076	12/23/1999	PCT	US99/13430
13065PCTEPHK	Polymerase Signaling Assay	Boyce-Jacino, M.; Addelston, M.; Head, S.			Hong Kong	110386.9
13065PCTAU	Polymerase Signaling Assay	Boyce-Jacino, M.; Addelston, M.; Head, S.	756666 B2	5/8/2003	AU	46836/99
13065PCTCA	Polymerase Signaling Assay	Boyce-Jacino, M.; Addelston, M.; Head, S.			CA	2331788
13065PCTEP	Polymerase Signaling Assay	Boyce-Jacino, M.; Addelston, M.; Head, S.			EP	99930259.9
13065PCTJP	Polymerase Signaling Assay	Boyce-Jacino, M.; Addelston, M.; Head, S.			JP	2000-554884
13065PCT	Polymerase Signaling Assay	Boyce-Jacino, M.; Addelston, M.; Head, S.	WO 99/66076	12/23/1999	PCT	US99/13430
13065	Polymerase Signaling Assay	Boyce-Jacino, M.			US	09/097,791
	Sequential Step Method For Sequencing And Identifying Polynucleotides	Heaney, P.	5,908,755	6/1/1999	US	08/950,709
13107	SNP-IT Primer Extension Without PCR: Cycling hybridization, nonamplification primer extension	Swenson, R.; Gelfand, C.; Xu, Q.	NOT FILED		US	
All dates are indicated as month/day/year						

34234.3



**ASSIGNOR:**

**ORCHID BIOSCIENCES, INC.,**

Date: 6/2/2004

By: *Michael Spicer*  
Name (print): Michael Spicer  
Title (print): CFO

Sworn to before me on this 2<sup>nd</sup> day of June, 2004.

*Catherine R Poole*  
Notary Public

Witness: Date: 6/2/04

By: *Mindy Levinson*  
Name (print): Mindy Levinson  
Address: 4390 Route One

Princeton, NJ, 08540

Witness: Date: 6/2/2004

By: *Vera Telesh*  
Name (print): VERA Telesh

Address: 4390 Route One  
Princeton, NJ 08540