TRADEMARK ASSIGNMENT

Electronic Version v1.1
Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	SECURITY INTEREST

CONVEYING PARTY DATA

Name	Formerly	Execution Date	Entity Type
Integrated DNA Technologies, Inc.		06/15/2009	CORPORATION: IOWA

RECEIVING PARTY DATA

Name:	Wells Fargo Bank, National Association
Street Address:	666 Walnut Street
Internal Address:	PO Box 837
City:	Des Moines
State/Country:	IOWA
Postal Code:	50304
Entity Type:	a national banking association: UNITED STATES

PROPERTY NUMBERS Total: 15

Property Type	Number	Word Mark
Registration Number:	2304165	CLEANCUT
Registration Number:	3501768	HOTPLATES
Registration Number:	2985126	IOWA BLACK
Registration Number:	3422129	MIRCAT
Registration Number:	3434719	MISPIKE
Registration Number:	2943148	OLIGO ANALYZER
Registration Number:	3132908	OLIGOCARD
Registration Number:	3434718	PISPIKE
Registration Number:	2860314	PRIMERQUEST
Registration Number:	2985127	SAMEDAY
Registration Number:	3124455	SCITOOLS
Registration Number:	2874710	STARFIRE
Registration Number:	3422130	TRIFECTA

OP $390.00 2304165

Registration Number:	1686878	
Registration Number:	2985128	XXIDT

CORRESPONDENCE DATA

Fax Number: (612)766-1600

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 612-766-6911

Email: scarlson@faegre.com

Correspondent Name: Susan Carlson

Address Line 1: 90 South 7th Street Ste 2200

Address Line 4: Minneapolis, MINNESOTA 55402

NAME OF SUBMITTER:	Susan Carlson
Signature:	/s/ Susan Carlson
Date:	06/18/2009

Total Attachments: 10

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AMENDED AND RESTATED PATENT AND TRADEMARK SECURITY AGREEMENT

This AMENDED AND RESTATED PATENT AND TRADEMARK SECURITY AGREEMENT (this **"Agreement"**), dated as of June 15, 2009, is made by INTEGRATED DNA TECHNOLOGIES, INC., an Iowa corporation (the **"Debtor"**), in favor of WELLS FARGO BANK, NATIONAL ASSOCIATION, a national banking association (the **"Secured Party"**), with reference to the following:

WHEREAS, the Debtor and the Secured Party have entered into (i) an Amended and Restated Credit Agreement of even date herewith (as amended, restated, supplemented or otherwise modified from time to time, the **"Credit Agreement"**), pursuant to which the Secured Party has agreed to make certain financial accommodations to the Debtor; and (ii) a Reaffirmation of Guaranties and Security Agreement of even date herewith, pursuant to which the Debtor has reaffirmed its grant to the Secured Party under the Amended and Restated Security Agreement, dated as of August 4, 2006 (as amended, restated, supplemented or otherwise modified from time to time, the **"Security Agreement"**), of a security interest in, among other things, the general intangibles of the Debtor;

WHEREAS, the Debtor previously executed the Patent and Trademark Security Agreement dated as of August 4, 2006 in favor of the Lender (as amended, restated, supplemented or otherwise modified from time to time, the **"Prior Patent and Trademark Security Agreement"**), under which the Debtor granted to the Lender a continuing security interest in all of the Debtor's right, title and interest in, to and under all patents, trademarks and other intellectual property of the Debtor;

WHEREAS, pursuant to the Credit Agreement and as a condition precedent to the obligations of the Secured Party under the Credit Agreement, the Debtor has agreed to execute and deliver this Agreement to the Secured Party, which constitutes an amendment to, and a complete restatement of, the Prior Patent and Trademark Security Agreement, for filing with the United States Patent and Trademark Office and with any other relevant recording systems in any domestic or foreign jurisdiction, as further evidence of, and to effectuate the Secured Party's existing security interests in, the patents, trademarks, patent applications and trademark applications described herein;

NOW, THEREFORE, for valuable consideration, the receipt and adequacy of which are hereby acknowledged, the Debtor hereby agrees in favor of the Secured Party as follows:

As security for the payment and performance of the Obligations (as defined in the Credit Agreement), the Debtor hereby grants, assigns, transfers and conveys to the Secured Party a continuing security interest in all of the Debtor's right, title and interest in, to and under all patents, trademarks, patent applications and trademark applications owned by the Debtor in whole or in part, including the U.S. patents and patent applications described in Schedule A hereto, and the U.S. trademarks and trademark applications described in Schedule B hereto, as the same may be amended or supplemented from time to time pursuant to the Security Agreement.

ACKNOWLEDGMENT. The Debtor acknowledges that the rights and remedies of the Secured Party with respect to the security interest in the patents and patent applications listed in Schedule A and the trademarks and trademark applications listed in Schedule B and granted hereby are more fully set forth in the Credit Agreement and the Security Agreement, and all such rights and remedies are cumulative.

The Debtor further acknowledges that this Agreement, the Credit Agreement and the Security Agreement may contain covenants, representations and warranties and other terms and provisions variously stated regarding the same or similar matters, and the Debtor agrees that all such covenants, representations and warranties and other terms and provisions are cumulative and all shall be performed and satisfied in accordance with their respective terms.

Signature Page Follows

TRADEMARK
REEL: 004007 FRAME: 0625

IN WITNESS WHEREOF, the Debtor has executed this Agreement as of the day and year first above written.

Notice Address:
Integrated DNA Technologies, Inc.
1710 Commercial Park
Coralville, IA 52241
Attention: Alan M. Siegal
Telecopier: (319) 626-9640
E-mail: asiegal@idtdna.com

INTEGRATED DNA TECHNOLOGIES, INC., as Debtor

By: Alan M. Siegal
Name: ALAN M. SIEGAL
Title: CFO / Treasurer

STATE OF IOWA)
)SS:
COUNTY OF JOHNSON)

On this 15 day of June, 2009, before me, a Notary Public in and for the aforesaid County and State, personally appeared Alan Siegal, to me personally known, who being by me duly sworn, did say that he is the CFO of Integrated DNA Technologies, Inc., the said corporation; that said instrument was signed on behalf of said corporation by authority of its Board of Directors; and that the said Alan Siegal as such officer, acknowledged the execution of said instrument to be the voluntary act and deed of said corporation, by it and by him voluntarily executed.

Melissa Holway
Notary Public in and for said County and State

NOTARIAL SEAL IOWA
MELISSA HOLWAY
Commission Number 735937
My Commission Expires
August 8, 2011

(Signature Page to Amended and Restated Patent and Trademark Security Agreement)

Notice Address:
Wells Fargo Bank, National Association
Commercial Banking
666 Walnut Street
P.O. Box 837
Des Moines, IA 50304
Telecopier: (515) 245-3337
Attention: Becky Gibson
E-mail: becky.gibson@wellsfargo.com

With copy to:
Wells Fargo Bank, National Association
MAC- N9305-051
Sixth and Marquette
Minneapolis, Minnesota 55479
Telecopier: (612) 667-7266
Attention: Steven Peters
E-mail: steven.d.peters@wellsfargo.com

WELLS FARGO BANK, NATIONAL ASSOCIATION, as Secured Party

By: _____
Name: Rebecca Gibson
Title: Vice President

STATE OF Iowa)
)SS:
COUNTY OF Polk)

On this 15 day of June, 2009, before me, a Notary Public in and for the aforesaid County and State, personally appeared Becky Gibson, to me personally known, who being by me duly sworn, did say that she is a Vice President of Wells Fargo Bank, National Association, a national banking association, that said instrument was signed on behalf of said bank by authority of its Board of Directors; and that the said Vice President as such officer, acknowledged the execution of said instrument to be the voluntary act and deed of said bank, by it and by her voluntarily executed.

Karen Kordick
Notary Public in and for said County and State

NOTARIAL SEAL IOWA
KAREN KORDICK
Commission Number 725611
My Commission Expires
11-19-09

(Signature Page to Amended and Restated Patent and Trademark Security Agreement)

SCHEDULE A
to the Patent and Trademark Security Agreement

Patents and Patent Applications

IDT Issued Patents

6/15/2009 0:00

FILE NUMBER	PATENT NUMBER	TITLE	ISSUE DATE
PA2000-01	6,773,885	Compositions and Methods for Visual Ribonuclease Detection Assays	10-Aug-04
PA2003-09	7,276,337	Compositions and Methods for Visual Ribonuclease Detection Assays	2-Oct-07
PA2006-05	7,476,735	Compounds and Methods for Labeling Oligonucleotides*	13-Jan-09
PA2004-06	7,439,341	Fluorescence Quenching Azo Dyes, Their Methods of Preparation and Use	21-Oct-08
PA2003-06	6,889,143	Methods and Systems for Estimating the Melting Temperature (TM) for Polynucleotide Molecules*	3-May-05
PA2003-07	7,112,406	Polynomial Amplification of Nucleic Acids*	26-Sep-06
PA2004-04	EP 1481088 B1	Polynomial Amplification of Nucleic Acids	17-Sep-08
PA1999-01	7,135,284	Primer Extension Methods for Production of High Specific Activity Nucleic Acid Probes	14-Nov-06
PA2005-07	7,297,786	RNA Interference in Respiratory Epitheial Cells	20-Nov-07

* Pending foreign filings

IDT Pending Patent Applications

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FILE NUMBER	TITLE	SERIAL NUMBER	MATTER FILING DATE
PA2003-04	Anthraquinone Quencher Dyes, Their Methods of Preparation and Use*	10/666,998	19-Sep-03
PA2007-11A	Compounds and Methods for Labeling Oligonucleotides*	6770717.4	22-May-06
PA2009-01	Compounds and Methods for Labeling Oligonucleotides (Div.)*	12/352,125	12-Jan-09
PA2006-08	Dual Function Primers for Amplifying DNA and Methods of Use*	11/563,072	24-Nov-06
PA2009-02	Electroelution of Oligonucleotides from Gel Matrices	12/391,405	24-Feb-09
PA2007-12	Fingerprint Analysis for a Plurality of Oligonucleotides*	11/876,960	23-Oct-07
PA2008-24	Fluorescence Quenching Azo Dyes, Their Methods of Preparation and Use	12/252,721	16-Oct-08
PA2007-04	Labeled Solid Supports for Organic Synthesis	11/751,126	21-May-07
PA2008-01	Method for Estimating a Melting Temperature of a Nucleic Acid in Buffers Containing Divalent Ions*	11/970,509	7-Jan-08
PA2005-04	Methods and Compositions for the Specific Inhibition of Gene Expression by Double-Stranded RNA*	11/079,906	15-Mar-05
PA2007-06	Methods and Compositions for the Specific Inhibition of Gene Expression by Double-Stranded RNA (CIP)*	11/797,216	1-May-07
PA2008-16A	Methods and Compositions for the Specific Inhibition of Gene Expression by Double--Stranded RNA (Div. 1954-508)*	12/137,914	12-Jun-08
PA2008-16	Methods and Compositions for the Specific Inhibition of Gene Expression by Double--Stranded RNA (Div. 1954-509)*	12/138,215	12-Jun-08
PA2008-11	Methods and Compositions for the Specific Inhibition of Gene Expression by Double-Stranded RNA (Div. 1954-510)*	12/143,002	12-Jun-08
PA2008-12	Methods and Compositions for the Specific Inhibition of Gene Expression by Double-Stranded RNA (Div. 1954-511)*	12/143,006	20-Jun-08

FILE NUMBER	TITLE	SERIAL NUMBER	MATTER FILING DATE
PA2008-13	Methods and Compositions for the Specific Inhibition of Gene Expression by Double-Stranded RNA (Div. 1954-512)*	12/143,009	20-Jun-08
PA2008-14	Methods and Compositions for the Specific Inhibition of Gene Expression by Double-Stranded RNA (Div. 1954-513)*	12/143,024	20-Jun-08
PA2008-15	Methods and Compositions for the Specific Inhibition of Gene Expression by Double-Stranded RNA (Div. 1954-514)*	12/143,027	20-Jun-08
PA2005-03	Methods and Compositions for the Specific Inhibition of Gene Expression by Double-Stranded RNA (without Modifications)*	11/079,476	15-Mar-05
PA2008-06	Methods and Compositions for the Specific Inhibition of Hepatitis C Virus (HCV) by Double-Stranded RNA*	61/046,575	21-Apr-08
PA2008-21	Methods and Microarrays for Detecting Enteric Viruses*	12/191,132	13-Aug-08
PA2004-02	Methods for Amplifying Polymeric Nucleic Acids*	10/911,652	2-Aug-04
PA2008-09	Methods for Cloning Small RNA Species*	12/165,436	30-Jun-08
PA2007-14	Methods for RNA Desilylation*	11/940,516	15-Nov-07
PA2008-19	Microarray System with Improved Sequence Specificity*	12/190,446	12-Aug-08
PA2007-02	Nucleic Acid Monomers with 2'-Chemical Moieties	11/686,894	15-Mar-07
PA2007-16	Oligos Containing High Concentrations of Guanine Monomers*	11/954,511	12-Dec-07
PA2007-05	Platform for Automated Oligonucleotide Synthesis	11/755,488	30-May-07
PA2009-06	RNase H-Based Assays Utilizing Modified RNA Monomers*	12/433,896	30-Apr-09

*Pending foreign filings

SCHEDULE B
to the Patent and Trademark Security Agreement

Trademarks and Applications

IDT Registered Trademarks

6/15/2009 0:00

TITLE	MATTER FILING DATE	SERIAL NUMBER	REG. NUMBER	REG. DATE
CLEANCUT	16-Nov-98	75588972	2304165	28-Dec-99
HOTPLATES	17-Mar-08	77423546	3501768	16-Sep-08
IOWA BLACK	22-Dec-03	78344189	2985126	16-Aug-05
MIRCAT	16-Aug-07	77257253	3422129	6-May-08
MISPIKE	16-Aug-07	77257333	3434719	27-May-08
OLIGO ANALYZER	3-Feb-03	76487174	2943148	19-Apr-05
OLIGOCARD	20-Sep-05	78716632	3132908	22-Aug-06
OLIGOCARD	20-Sep-05	78716632	3132908	22-Aug-06
PISPIKE	16-Aug-07	77257319	3434718	27-May-08
PRIMERQUEST	18-Jul-03	78276235	2860314	6-Jul-04
SAMEDAY	22-Dec-03	78344243	2985127	16-Aug-05
SCITOOLS	11-May-04	78416669	3124455	1-Aug-06
STARFIRE	27-Jun-03	78267900	2874710	17-Aug-04
TRIFECTA	16-Aug-07	77257293	3422130	6-May-08
XX (stylized)	14-Sep-90	74096967	1686878	12-May-92
XXIDT	22-Dec-03	78344273	2985128	16-Aug-05