

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4083347

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
DONGHO KIM	07/18/2007
JOHN J. ROSSI	07/16/2007
MARK A. BEHLKE	07/04/2007
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	CITY OF HOPE
<b>Street Address:</b>	1500 EAST DUARTE ROAD
<b>City:</b>	DUARTE
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	91010
<b>Name:</b>	INTEGRATED DNA TECHNOLOGIES, INC.
<b>Street Address:</b>	1710 COMMERCIAL PARK
<b>City:</b>	CORALVILLE
<b>State/Country:</b>	IOWA
<b>Postal Code:</b>	52241
<b>PROPERTY NUMBERS Total: 4</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	12143002
Application Number:	13491937
Application Number:	14537578
Application Number:	15259174
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(202)783-6031
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	202-783-6040
<b>Email:</b>	svasseghi@rfem.com
<b>Correspondent Name:</b>	ROTHWELL, FIGG, ERNST & MANBECK P.C.
<b>Address Line 1:</b>	607 14TH STREET N.W.
<b>Address Line 2:</b>	SUITE 800
<b>Address Line 4:</b>	WASHINGTON, D.C. 20005

PATENT

<b>ATTORNEY DOCKET NUMBER:</b>	1954-510, 563, 576, 581
<b>NAME OF SUBMITTER:</b>	JEFFREY L. IHNEN (REG #28957)
<b>SIGNATURE:</b>	/Jeffrey L. Ihnen/
<b>DATE SIGNED:</b>	10/05/2016
<b>Total Attachments: 8</b> source=1954_489_inventors_asgn#page1.tif source=1954_489_inventors_asgn#page2.tif source=1954_489_inventors_asgn#page3.tif source=1954_489_inventors_asgn#page4.tif source=1954_489_inventors_asgn#page5.tif source=1954_489_inventors_asgn#page6.tif source=1954_489_inventors_asgn#page7.tif source=1954_489_inventors_asgn#page8.tif	

# PATENT ASSIGNMENT

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Dongho KIM	07/18/2007
John J. ROSSI	07/16/2007
Mark A. BEHLKE	07/04/2007
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	City of Hope
<b>Street Address:</b>	1500 East Duarte Road
<b>City:</b>	Duarte
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	91010
<b>Name:</b>	Integrated DNA Technologies, Inc.
<b>Street Address:</b>	1710 Commercial Park
<b>City:</b>	Coralville
<b>State/Country:</b>	IOWA
<b>Postal Code:</b>	52241
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	11797216
<b>CORRESPONDENCE DATA</b>	
Fax Number:	(202)783-6031
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	(202) 783-6040
Email:	bpeterson@rfem.com
Correspondent Name:	Rothwell, Figg, Ernst & Manbeck p.c.
Address Line 1:	1425 K Street N.W.
Address Line 2:	Suite 800

CH \$40.00 11797216

500324195

**PATENT**  
**REEL: 019621 FRAME: 0276**  
**REEL: 039942 FRAME: 0742**

Address Line 4: Washington, DISTRICT OF COLUMBIA 20005

ATTORNEY DOCKET NUMBER:

1954-489

NAME OF SUBMITTER:

Jeffrey L. Ihnen

Total Attachments: 6

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PATENT

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REEL: 039942 FRAME: 0743

## ASSIGNMENT

**WHEREAS**, WE, John J. ROSSI, a citizen of United States, residing at 11161 Trails End Court, Alta Loma, California 91737; Mark A. BEHLKE a citizen of United States, residing at 961 Timer Ridge Court, Coralville, Iowa 52241; Dongho KIM, a citizen of United States, residing at 1220 W. 35<sup>th</sup> Street, Los Angeles, California 90007, are the inventors of an invention in METHODS AND COMPOSITIONS FOR THE SPECIFIC INHIBITION OF GENE EXPRESSION BY DOUBLE-STRANDED RNA for which we have executed an application for Letters Patent of the United States, serial number 11/797,216, filed 01 May 2007; and

**WHEREAS**, City of Hope, incorporated in the state of California, with a place of business at 1500 East Duarte Road, Duarte, California 91010 and Integrated DNA Technologies, Inc., with a place of business at 1710 Commercial Park, Coralville, Iowa 52241, is desirous of obtaining the entire right, title and interest in, to and under the said invention and the said application;

**NOW, THEREFORE**, be it known that, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we the said John J. ROSSI, Mark A. BEHLKE, and Dongho KIM have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said City of Hope and Integrated DNA Technologies, Inc., its successors, legal representatives and assigns, the entire right, title and interest in, to and under the said invention, and the said application and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all applications for Letters Patent which may hereafter be filed for said invention in any country or countries foreign to the United States, and all Letters Patent which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof and all rights of priority in any such country or countries based upon the filing of the said application for Letters Patent of the United States which are created by any law, treaty or international convention; and we hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said invention to the said City of Hope and Integrated DNA Technologies, Inc., its successors, legal representatives and assigns, in accordance with the terms of this instrument.

**AND WE HEREBY** covenant that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

**AND WE HEREBY** further covenant and agree that we will communicate to said City of Hope and Integrated DNA Technologies, Inc., its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful

*Assignment - Page 1*

papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said City of Hope and Integrated DNA Technologies, Inc., its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said invention in all countries.

IN TESTIMONY WHEREOF, we hereunto set our hands and seals the day and year set opposite our respective signatures.

Date 7/4 2007 Mark Selman L.S.

Date \_\_\_\_\_ 2007 \_\_\_\_\_ L.S.

Date \_\_\_\_\_ 2007 \_\_\_\_\_ L.S.

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Assignment - Page 2

PATENT  
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## ASSIGNMENT

**WHEREAS**, WE, John J. ROSSI, a citizen of United States, residing at 11161 Trails End Court, Alta Loma, California 91737; Mark A. BEHLKE a citizen of United States, residing at 961 Timer Ridge Court, Coralville, Iowa 52241; Dongho KIM, a citizen of United States, residing at 5007 Marathon St. #H-1, Los Angeles, CA 90029, are the inventors of an invention in METHODS AND COMPOSITIONS FOR THE SPECIFIC INHIBITION OF GENE EXPRESSION BY DOUBLE-STRANDED RNA for which we have executed an application for Letters Patent of the United States, Serial Number 11/797,216, filed 01 May 2007; and

**WHEREAS**, City of Hope, incorporated in the state of California, with a place of business at 1500 East Duarte Road, Duarte, California 91010 and Integrated DNA Technologies, Inc., with a place of business at 1710 Commercial Park, Coralville, Iowa 52241, is desirous of obtaining the entire right, title and interest in, to and under the said invention and the said application;

**NOW, THEREFORE**, be it known that, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we the said John J. ROSSI, Mark A. BEHLKE, and Dongho KIM have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said City of Hope and Integrated DNA Technologies, Inc., its successors, legal representatives and assigns, the entire right, title and interest in, to and under the said invention, and the said application and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all applications for Letters Patent which may hereafter be filed for said invention in any country or countries foreign to the United States, and all Letters Patent which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof and all rights of priority in any such country or countries based upon the filing of the said application for Letters Patent of the United States which are created by any law, treaty or international convention; and we hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said invention to the said City of Hope and Integrated DNA Technologies, Inc., its successors, legal representatives and assigns, in accordance with the terms of this instrument.

**AND WE HEREBY** covenant that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

**AND WE HEREBY** further covenant and agree that we will communicate to said City of Hope and Integrated DNA Technologies, Inc., its successors, legal representatives and assigns,

*Assignment - Page 1*

any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said City of Hope and Integrated DNA Technologies, Inc., its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said invention in all countries.

IN TESTIMONY WHEREOF, we hereunto set our hands and seals the day and year set opposite our respective signatures.

Date 7/18/ 2007 Douglas Kim L.S.

Date \_\_\_\_\_ 2007 \_\_\_\_\_ L.S.

Date \_\_\_\_\_ 2007 \_\_\_\_\_ L.S.

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Assignment - Page 2

PATENT  
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## ASSIGNMENT

**WHEREAS**, WE, John J. ROSSI, a citizen of United States, residing at 5044 Bridle Place, Alta Loma, California 91737; Mark A. BEHLKE a citizen of United States, residing at 961 Timer Ridge Court, Coralville, Iowa 52241; Dongho KIM, a citizen of United States, residing at 1220 W. 35<sup>th</sup> Street, Los Angeles, California 90007, are the inventors of an invention in METHODS AND COMPOSITIONS FOR THE SPECIFIC INHIBITION OF GENE EXPRESSION BY DOUBLE-STRANDED RNA for which we have executed an application for Letters Patent of the United States, Serial Number 11/797,216, filed 01 May 2007; and

**WHEREAS**, City of Hope, incorporated in the state of California, with a place of business at 1500 East Duarte Road, Duarte, California 91010 and Integrated DNA Technologies, Inc., with a place of business at 1710 Commercial Park, Coralville, Iowa 52241, is desirous of obtaining the entire right, title and interest in, to and under the said invention and the said application;

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*Assignment - Page 1*

PATENT  
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papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said City of Hope and Integrated DNA Technologies, Inc., its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said invention in all countries.

**IN TESTIMONY WHEREOF**, we hereunto set our hands and seals the day and year set opposite our respective signatures.

Date July 16 2007

John Plank L.S.

Date \_\_\_\_\_ 2007

\_\_\_\_\_ L.S.

Date \_\_\_\_\_ 2007

\_\_\_\_\_ L.S.

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Assignment - Page 2

RECORDED: 07/30/2007

RECORDED: 10/05/2016

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