


Form PTO-1595 (Rev. 03-09)
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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.

<p>1. Name of conveying party(ies): Eric H. Davidson (9/19/03)</p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>2. Name and address of receiving party(ies)</p> <p>Name: <u>California Institute of Technology</u></p> <p>Internal Address: _____</p> <p>Street Address: _____</p> <p>1200 E. California Blvd, MS 201-85</p> <p>City: <u>Pasadena</u></p> <p>State: <u>California</u></p> <p>Country: <u>United States of America</u> Zip: <u>91125</u></p> <p>Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>3. Nature of conveyance/Execution Date(s):</p> <p>Execution Date(s): <u>September 19, 2003</u></p> <p><input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Change of Name</p> <p><input type="checkbox"/> Security Agreement <input type="checkbox"/> Joint Research Agreement</p> <p><input type="checkbox"/> Government Interest Assignment</p> <p><input type="checkbox"/> Executive Order 9424, Confirmatory License</p> <p><input type="checkbox"/> Other _____</p>	<p>4. Application or patent number(s): <input type="checkbox"/> This document is being filed together with a new application.</p> <p>A. Patent Application No.(s) <u>11/894,804</u></p> <p>B. Patent No.(s)</p> <p>Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>5. Name and address to whom correspondence concerning document should be mailed:</p> <p>Name: <u>Matthew P. Vincent, J.D., Ph.D.</u> <u>ROPES & GRAY LLP</u></p> <p>Internal Address: <u>Atty. Dkt.: CTCH-P02-030</u></p> <p>Street Address: <u>One International Place</u></p> <p>City: <u>Boston</u></p> <p>State: <u>MA</u> Zip: <u>02110</u></p> <p>Phone Number: <u>(617) 951-7739</u></p> <p>Fax Number: <u>(617) 951-7050</u></p> <p>Email Address: <u>MVincent@ropesgray.com</u></p>	<p>6. Total number of applications and patents involved: 1</p> <p>7. Total fee (37 CFR 1.21(h) & 3.41) \$ <u>40.00</u></p> <p><input checked="" type="checkbox"/> Authorized to be charged to deposit account</p> <p><input type="checkbox"/> Enclosed</p> <p><input type="checkbox"/> None required (government interest not affecting title)</p> <p>8. Payment Information</p> <p>Deposit Account Number <u>18-1945</u></p> <p>Authorized User Name <u>Matthew P. Vincent, J.D., Ph.D.</u></p>
<p>9. Signature:</p> <p style="text-align: center;"></p> <p style="text-align: center;">Signature _____ Date <u>April 15, 2009</u></p> <p style="text-align: center;"><u>Hannah Rhys Koyfman, Ph.D. - 62,912</u> Total number of pages including cover sheet, attachments, and documents: 4</p> <p style="text-align: center;">Name of Person Signing</p>	

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being transmitted by facsimile to the Patent and Trademark Office, facsimile no. (571) 273-0140, on the date shown below.

Dated: 4/15/09 Signature: Andrea Borden (Andrea Borden)

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ASSIGNMENT

This Assignment is made by Eric H. Davidson of Pasadena, California, Assignor, to California Institute of Technology, Assignee, having a place of business at 1200 East California Boulevard, MS 201-85, Pasadena, California 91125.

WHEREAS, Assignor has invented a new and useful GENE REGULATORY NETWORKS AND METHODS OF INTERDICTION FOR CONTROLLING THE DIFFERENTIATION STATE OF A CELL, for which an application for United States Letters Patent was filed on May 30, 2003, in the United States Patent and Trademark Office, bearing Serial No. 10/452,766, and identified as Attorney Client-Matter No. 66786-012 (P-CS 5603);

WHEREAS, Assignor believes that Assignor is the original inventor of the invention disclosed and claimed in said application for Letters Patent; and

WHEREAS, the parties desire to have a recordable instrument assigning the entire right, title and interest in and to said invention, said application and any Letters Patent that may be granted for said invention in the United States and throughout the world;

NOW, THEREFORE, in accordance with the obligations to assign the invention and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignor sells, assigns, and transfers to Assignee, the entire right, title, and interest in and to said invention, said application, any applications entitled to benefit of priority to said application under Title 35, United States Code, Sections

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Serial No.: 10/452,766
Filed: May 30, 2003
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120, 121 or 251, which include divisionals, continuations and reissues, and any Letters Patent that may be granted on said invention or these applications and any Letters Patent that may be granted for said invention in the United States and throughout the world, including the right to file foreign applications directly in the name of the Assignee and to claim for any such foreign applications any priority rights to which such applications are entitled under international conventions, treaties, or otherwise.

Assignor agrees that, upon request and without further compensation, but at no expense to Assignor, Assignor and Assignor's legal representatives and assigns will do all lawful acts, including the execution of papers and the giving of testimony, that may be necessary or desirable for obtaining, sustaining, reissuing, or enforcing Letters Patent in the United States and throughout the world for said invention, and for perfecting, recording, or maintaining the title of Assignee, its successors and assigns, to said invention, said application, and any Letters Patent granted for said invention in the United States and throughout the world.

Assignor represents and warrants that Assignor has not granted and will not grant to others any rights inconsistent with the rights granted herein.

Assignor authorizes and requests that any United States or foreign Letters Patent granted for said invention, whether on said application or on any subsequently filed divisional,

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Filed: May 30, 2003
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continuation or reissue application, be issued to Assignee, its successors and assigns, as the assignee of the entire interest in said invention.

IN WITNESS WHEREOF, Assignor has executed this Assignment on the date(s) provided below.

Assignor: Eric H. Davison

[Signature] 9/19/03
Signature Date

STATE OF California)
COUNTY OF Los Angeles)

On Sept. 19, 2003 before me, Cindy L. Fischer, Notary
personally appeared Eric H. Davidson,
personally known to me - OR - X proved to me on the basis
of satisfactory evidence to be the person(s) whose name(s) is/are
subscribed to the within instrument and acknowledged to me that
he/she/they executed the same in his/her/their authorized
capacity(ies), and that by his/her/their signature(s) on the
instrument the person(s), or the entity upon behalf of which the
person(s) acted, executed the instrument.

WITNESS by hand and official seal.

[Signature]
(Signature of Notary)



PTO/SB/97 (09-04)

Approved for use through 07/31/2006. OMB 0651-0031

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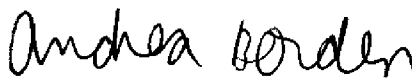
Application No. (if known): 11/894,804

Attorney Docket No.: CTCH-P02-030

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DATE: April 15, 2009

PTO IDENTIFIER: Application Number 11/894,804
Patent Number

Inventor: Eric H. Davidson

MESSAGE TO: USPTO PTAS System

FAX NUMBER: (571) 273-0140

FROM: ROPES & GRAY LLP
Hannah Rhys Koymfman, Ph.D.

PHONE: (617) 951-7613

Attorney Dkt. #: CTCH-P02-030

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