

## PATENT ASSIGNMENT COVER SHEET

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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>
CHARLES J. VASKE	06/09/2011
STEPHEN C. BENZ	06/09/2011
JOSHUA M. STUART	06/09/2011
DAVID HAUSSLER	06/09/2011
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<b>Name:</b>	THE REGENTS OF THE UNIVERSITY OF CALIFORNIA
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<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	94607-5200
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15667535
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<b>ATTORNEY DOCKET NUMBER:</b>	102913-001750US-1096924
<b>NAME OF SUBMITTER:</b>	WILLIAM H. GORMAN
<b>SIGNATURE:</b>	/William H. Gorman/
<b>DATE SIGNED:</b>	02/01/2021
<b>Total Attachments: 4</b>	
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## WORLDWIDE ASSIGNMENT OF APPLICATION

Docket Number:  
UCSC2010-702 US

Whereas I, **Charles J. Vaske of Santa Cruz, CA** hereafter referred to as "applicant" have invented certain new and useful improvements for genomic data analysis as disclosed in US non-provisional patent application Serial No. 13/068,002, filed 29 April 2011, entitled

Pathway Recognition Algorithm Using Data Integration On Genomic Models  
(PARADIGM)

Whereas, **The Regents of the University of California, California**, herein referred to as "assignee" whose mailing address is 1111 Franklin St., Oakland, CA 94607-5200 is desirous of acquiring the entire right, title and interest in the same;

Now, therefore, for good and valuable consideration the receipt whereof is acknowledged, I the applicant by these presents does sell, assign and transfer unto said assignee the full and exclusive right to the said invention in all the countries of the world and the entire right, title and interest in and to any and all intellectual property and patent rights (including rights associated with any and all provisional, non-provisional, divisional, RCE, CPA, continuing applications, including continuations-in-part) which may be granted therefore in any country or region of the world. I hereby authorize and request the appropriate Patent Office of any country in which a Patent may issue, to issue said patent to said assignee of the entire right, title, and interest in and to the same, for the assignee's sole use and ownership; and for the use and ownership of the assignee's legal representatives, for the full term for which said Patent may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.

Executed on this date:

June 9, 2011

At this place:

101 Cooper St, Santa Cruz, CA, 95060

Print Name:

Charles J. Vaske

Signature:



PATENT

REEL: 055102 FRAME: 0260

## WORLDWIDE ASSIGNMENT OF APPLICATION

Docket Number:  
UCSC2010-702 US

Whereas I, **Stephen C. Benz of Santa Cruz, CA** hereafter referred to as "applicant" have invented certain new and useful improvements for genomic data analysis as disclosed in US non-provisional patent application Serial No. 13/068,002, filed 29 April 2011, entitled

Pathway Recognition Algorithm Using Data Integration On Genomic Models  
(PARADIGM)

Whereas, **The Regents of the University of California, California**, herein referred to as "assignee" whose mailing address is 1111 Franklin St., Oakland, CA 94607-5200 is desirous of acquiring the entire right, title and interest in the same;

Now, therefore, for good and valuable consideration the receipt whereof is acknowledged, I the applicant by these presents does sell, assign and transfer unto said assignee the full and exclusive right to the said invention in all the countries of the world and the entire right, title and interest in and to any and all intellectual property and patent rights (including rights associated with any and all provisional, non-provisional, divisional, RCE, CPA, continuing applications, including continuations-in-part) which may be granted therefore in any country or region of the world, I hereby authorize and request the appropriate Patent Office of any country in which a Patent may issue, to issue said patent to said assignee of the entire right, title, and interest in and to the same, for the assignee's sole use and ownership; and for the use and ownership of the assignee's legal representatives, for the full term for which said Patent may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.

Executed on this date: June 2, 2011

At this place: 101 Cooper St, Santa Cruz, CA

Print Name: Stephen C. Benz

Signature: 

## WORLDWIDE ASSIGNMENT OF APPLICATION

Docket Number:  
UCSC2010-702 US

Whereas I, **Joshua M. Stuart of Santa Cruz, CA** hereafter referred to as "applicant" have invented certain new and useful improvements for genomic data analysis as disclosed in US non-provisional patent application Serial No. 13/068,002, filed 29 April 2011, entitled

Pathway Recognition Algorithm Using Data Integration On Genomic Models  
(PARADIGM)

Whereas, **The Regents of the University of California, California**, herein referred to as "assignee" whose mailing address is 1111 Franklin St., Oakland, CA 94607-5200 is desirous of acquiring the entire right, title and interest in the same;

Now, therefore, for good and valuable consideration the receipt whereof is acknowledged, I the applicant by these presents does sell, assign and transfer unto said assignee the full and exclusive right to the said invention in all the countries of the world and the entire right, title and interest in and to any and all intellectual property and patent rights (including rights associated with any and all provisional, non-provisional, divisional, RCE, CPA, continuing applications, including continuations-in-part) which may be granted therefore in any country or region of the world, I hereby authorize and request the appropriate Patent Office of any country in which a Patent may issue, to issue said patent to said assignee of the entire right, title, and interest in and to the same, for the assignee's sole use and ownership; and for the use and ownership of the assignee's legal representatives, for the full term for which said Patent may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.

Executed on this date: 6/9/11

At this place: 101 Coopers St, Santa Cruz, CA

Print Name: Joshua M. Stuart

Signature: 

## WORLDWIDE ASSIGNMENT OF APPLICATION

Docket Number:  
UCSC2010-702 US

Whereas I, **David Haussler of Santa Cruz, CA** hereafter referred to as "applicant" have invented certain new and useful improvements for genomic data analysis as disclosed in US non-provisional patent application Serial No. 13/068,002, filed 29 April 2011, entitled

Pathway Recognition Algorithm Using Data Integration On Genomic Models  
(PARADIGM)

Whereas, **The Regents of the University of California, California**, herein referred to as "assignee" whose mailing address is 1111 Franklin St., Oakland, CA 94607-5200 is desirous of acquiring the entire right, title and interest in the same;

Now, therefore, for good and valuable consideration the receipt whereof is acknowledged, I the applicant by these presents does sell, assign and transfer unto said assignee the full and exclusive right to the said invention in all the countries of the world and the entire right, title and interest in and to any and all intellectual property and patent rights (including rights associated with any and all provisional, non-provisional, divisional, RCE, CPA, continuing applications, including continuations-in-part) which may be granted therefore in any country or region of the world, I hereby authorize and request the appropriate Patent Office of any country in which a Patent may issue, to issue said patent to said assignee of the entire right, title, and interest in and to the same, for the assignee's sole use and ownership; and for the use and ownership of the assignee's legal representatives, for the full term for which said Patent may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.

Executed on this date:

6/9/11

At this place:

101 Cooper St, Santa Cruz, CA

Print Name:

David Haussler

Signature:

David Haussler