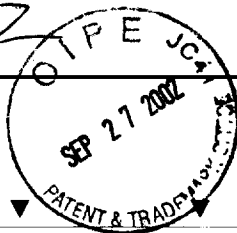


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FORM PTO-1595 (Modified)
(Rev. 03-01)
OMB No. 0651-0027 (exp. 5/31/2002)
POB/REV03

RECORDATION
PATEN

10-08-2002



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IS 5150

DEPARTMENT OF COMMERCE
Patent and Trademark Office

Tab settings → → →

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Leroy E. Hood
Andrew F. Siegel
Trey E. Ideker

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

Name: THE INSTITUTE FOR SYSTEMS BIOLOGY

Internal Address: _____

Street Address: 1441 North 34th Street

City: Seattle State: WA ZIP: 98103

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

Additional names(s) of conveying party(ies)

☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment

☐ Merger

☐ Security Agreement

☐ Change of Name

☐ Other _____

Execution Date: 8/16/02; 9/5/02; 9/11/02

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

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.(s)

10/062,299

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: CATHRYN CAMPBELL, REG. 31,815

Internal Address: CAMPBELL & FLORES LLP

Street Address: 4370 La Jolla Village Drive, 7th Floor

10/02/2002 YPOLITE1 00000012 10062299

06 FC:581

40.00 DP

City: San Diego

State: CA ZIP: 92122

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 3.41):.....\$ 40.00

☒ Enclosed - Any excess or insufficiency should be credited or debited to deposit account

☐ Authorized to be charged to deposit account

8. Deposit account number:

03-0370

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Pamela M. Guy, Reg. No. 51,228

Name of Person Signing

Pamela M. Guy

Signature

September 27, 2002

Date

Total number of pages including cover sheet, attachments, and document: 7

ASSIGNMENT

This Assignment is made by Leroy E. Hood, of Seattle, Washington, Andrew F. Siegel, of Shoreline, Washington, and Trey E. Ideker, of Cambridge, Massachusetts, Assignors, to THE INSTITUTE FOR SYSTEMS BIOLOGY, Assignee, having a place of business at 1441 North 34th Street, Seattle, Washington.

WHEREAS, Assignors have invented a new and useful method for GENE DISCOVERY FOR THE SYSTEM ASSIGNMENT OF GENE FUNCTION for which an application for United States Letters Patent was filed on January 31, 2002, in the United States Patent and Trademark Office, bearing Serial No. 10/062,299, and identified as Attorney Docket No: P-IS 5150;

WHEREAS, Assignors believe themselves to be the original inventors 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, Assignors sell, assign, and transfer 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

Inventors: Hood et al.
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Filed: January 31, 2002
Page 2

120, 121 or 251, which include divisionals, continuations and reissues, and any Letters Patent that may be granted on said invention or these applications 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.

Assignors agree that, upon request and without further compensation, but at no expense to Assignors, they and their 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.

Assignors represent and warrant that they have not granted and will not grant to others any rights inconsistent with the rights granted herein.

Assignors authorize and request 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: January 31, 2002
Page 3

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, Assignors have executed this Assignment on the date(s) provided below.

Assignor: Leroy E. Hood

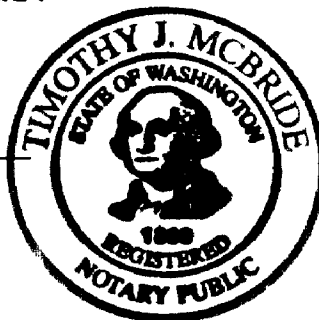
Leroy Hood 8/16/02
Signature Date

STATE OF Washington)
COUNTY OF King)

On August 16, 2002, before me, Timothy J. McBride,
personally appeared Leroy Hood,
☒ personally known to me - OR - ___ 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.

Timothy J. McBride
(Signature of Notary)



Inventors: Hood et al.
Serial No.: 10/062,299
Filed: January 31, 2002
Page 4

Assignor: Andrew F. Siegel

Andrew F. Siegel 9/5/02
Signature Date

STATE OF Washington)
COUNTY OF King)

On 9/5/02, before me, Twana Johnson
personally appeared Andrew F. Siegel,
☒ personally known to me - OR - 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.

Twana Johnson
(Signature of Notary)



EXPIRES: 09/01/2004

Inventors: Hood et al.
Serial No.: 10/062,299
Filed: January 31, 2002
Page 5

Assignor: Trey E. Ideker

Trey Ideker 9/11/02
Signature Date

STATE OF Massachusetts
COUNTY OF Middlesex

On September 11, 2002, before me, Clotilda M. Ware
Trey E. Ideker
personally appeared _____,
_____ personally known to me - OR - _____ 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.

Clotilda M. Ware
(Signature of Notary)

CLOTILDA M. WARE, Notary Public
Commission Expires June 14, 2007