

PATENT ASSIGNMENT

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|--------------------------|----------------|
| Yossi Cohen | 05/13/2008 |
| Alexander Diber | 05/15/2008 |
| Amir Toporik | 05/25/2008 |
| Sarah Pollock | 05/15/2008 |
| Zurit Levine | 05/12/2008 |
| Michael Ayalon-Soffer | 05/25/2008 |
| Gad S. Cojocar | 05/12/2008 |
| Amit Novik | 05/12/2008 |
| Guy Kol | 05/15/2008 |
| Osnat Sella-Tavor | 05/25/2008 |
| Shira Walach | 05/12/2008 |
| Shirley Sameah-Greenwald | 06/01/2008 |
| Dvir Dahary | 06/18/2008 |
| Ronen Shemesh | 05/12/2008 |

RECEIVING PARTY DATA

| | |
|------------------------|------------------|
| Name: | Compugen LTD. |
| Street Address: | 72 Pinchas Rosen |
| City: | Tel Aviv |
| State/Country: | ISRAEL |
| Postal Code: | 69512 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|----------------------------|----------|
| Application Number: | 11978203 |

CORRESPONDENCE DATA

Fax Number: (617)542-2241

CH \$40.00 11978203

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

Phone: 617-542-6000
Email: grdenningham@mintz.com
Correspondent Name: David Johnson
Address Line 1: One Financial Center
Address Line 2: Mintz Levin
Address Line 4: Boston, MASSACHUSETTS 02111

| | |
|-------------------------|----------------|
| ATTORNEY DOCKET NUMBER: | 28800-519C02US |
|-------------------------|----------------|

| | |
|--------------------|---------------|
| NAME OF SUBMITTER: | David Johnson |
|--------------------|---------------|

Total Attachments: 16

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ASSIGNMENT

We, **Yossi Cohen, Alexander Diber, Amir Toporik, Sarah Pollock, Zurit Levine, Michal Ayalon-Soffer, Gad S. Cojocar, Amit Novik, Guy Kol, Osnat Sella-Tavor, Shira Walach, Shirley Sameah-Greenwald, Dvir Dahary, and Ronen Shemesh** the undersigned, for good and valuable consideration, the receipt of which is hereby acknowledged, confirm that we have sold and assigned, and do hereby assign, sell and transfer to **Compugen LTD.**, with offices at **72 Pinchas Rosen, Tel Aviv 69512, Israel**, and to its successors, assigns and legal representatives, collectively hereinafter referred to as the ASSIGNEE: (1) our entire right, title and interest for the United States and in all countries, in and to any and all inventions, discoveries and applications which are disclosed in the application for United States Letters Patent entitled:

NOVEL NUCLEOTIDE AND AMINO ACID SEQUENCES, AND ASSAYS AND METHODS OF USE THEREOF FOR DIAGNOSIS OF CARDIAC DISEASE

filed with the U.S. Patent and Trademark Office on **October 29, 2007** and assigned Application No. 11/978,203¹, including any subsequently filed utility applications, which claim priority to Application No. 11/978,203¹, and including any renewals, revivals, reissues, reexaminations, extensions, continuations and divisions thereof and any substitute applications therefor; (2) the full and complete right to file patent applications in the name of the ASSIGNEE, its designee, or in my/our names as the ASSIGNEE, or its designee's election, on the aforesaid inventions, discoveries and applications in all countries of the world; (3) the entire right, title and interest in and to any Letters Patent which may issue thereon in the United States or in any country, and any renewals, revivals, reissues, reexaminations and extensions thereof, and any patents of confirmation, registration and importation of the same; and (4) the entire right, title and interest in all Convention and Treaty Rights of all kinds thereon, including without limitation all rights of priority in any country of the world, in and to the above inventions, discoveries and applications.

We hereby authorize and request the competent authorities to grant and to issue any and all such Letters Patent in the United States and throughout the world to the ASSIGNEE of the entire right, title and interest therein, as fully and entirely as the same would have been held and enjoyed by us had this assignment, sale and transfer not been made.

We agree, at any time, upon the request of the ASSIGNEE, to execute and to deliver to the ASSIGNEE any additional applications for patents for said inventions and discoveries, or any part or parts thereof, and any applications for patents of confirmation, registration and importation based on any Letters Patent issuing on said inventions, discoveries, or applications and divisions, continuations, renewals, revivals, reissues, reexaminations and extensions thereof.

¹ Any attorney or agent of record and any registered attorney or agent of Mintz, Levin, Cohn, Ferris, Glovsky and Popeo, P.C., One Financial Center, Boston, MA 02111, telephone (617) 542-6000, is hereby authorized to insert, when known.

Express Mail Label No.:
Date of Deposit:

Attorney Docket No. 28800-519002US

ASSIGNMENT

We, **Yossi Cohen, Alexander Diber, Amir Toporik, Sarah Pollock, Zurit Levine, Michal Ayalon-Soffer, Gad S. Colocar, Amit Novik, Guy Kol, Osnat Sella-Tavor, Shira Walach, Shirley Sameah-Greenwald, Dvir Dahary, and Ronen Shemesh** the undersigned, for good and valuable consideration, the receipt of which is hereby acknowledged, confirm that we have sold and assigned, and do hereby assign, sell and transfer to **Compugen LTD.**, with offices at **72 Pinchas Rosen, Tel Aviv 69512, Israel**, and to its successors, assigns and legal representatives, collectively hereinafter referred to as the ASSIGNEE: (1) our entire right, title and interest for the United States and in all countries, in and to any and all inventions, discoveries and applications which are disclosed in the application for United States Letters Patent entitled:

NOVEL NUCLEOTIDE AND AMINO ACID SEQUENCES, AND ASSAYS AND METHODS OF USE THEREOF FOR DIAGNOSIS OF CARDIAC DISEASE

filed with the U.S. Patent and Trademark Office on **October 29, 2007** and assigned Application No. 11/978,203¹, including any subsequently filed utility applications, which claim priority to Application No. 11/978,203¹, and including any renewals, revivals, reissues, reexaminations, extensions, continuations and divisions thereof and any substitute applications therefor; (2) the full and complete right to file patent applications in the name of the ASSIGNEE, its designee, or in my/our names as the ASSIGNEE, or its designee's election, on the aforesaid inventions, discoveries and applications in all countries of the world; (3) the entire right, title and interest in and to any Letters Patent which may issue thereon in the United States or in any country, and any renewals, revivals, reissues, reexaminations and extensions thereof, and any patents of confirmation, registration and importation of the same; and (4) the entire right, title and interest in all Convention and Treaty Rights of all kinds thereon, including without limitation all rights of priority in any country of the world, in and to the above inventions, discoveries and applications.

We hereby authorize and request the competent authorities to grant and to issue any and all such Letters Patent in the United States and throughout the world to the ASSIGNEE of the entire right, title and interest therein, as fully and entirely as the same would have been held and enjoyed by us had this assignment, sale and transfer not been made.

We agree, at any time, upon the request of the ASSIGNEE, to execute and to deliver to the ASSIGNEE any additional applications for patents for said inventions and discoveries, or any part or parts thereof, and any applications for patents of confirmation, registration and importation based on any Letters Patent issuing on said inventions, discoveries, or applications and divisions, continuations, renewals, revivals, reissues, reexaminations and extensions thereof.

¹ Any attorney or agent of record and any registered attorney or agent of Mintz, Levin, Cohn, Ferris, Glovsky and Popeo, P.C., One Financial Center, Boston, MA 02111, telephone (617) 542-6000, is hereby authorized to insert, when known.

We further agree at any time to execute and to deliver upon request of the ASSIGNEE such additional documents, if any, as are necessary or desirable to secure patent protection on said inventions, discoveries and applications throughout all countries of the world, and otherwise to do the necessary to give full effect to and to perfect the rights of the ASSIGNEE under this Assignment, including the execution, delivery and procurement of any and all further documents evidencing this assignment, transfer and sale as may be necessary or desirable.

We hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

We further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

Date: 13/5/2008 
Signature of: **YOSSIE COHEN**

IN WITNESS WHEREOF, I, Oshrat Lederman, hereby declare
(Printed Name of Witness)

that I was personally present and did see the above named person duly sign and execute the assignment.


(Signature of Witness)

Date: 13/5/08.

IN WITNESS WHEREOF, I, Roni Tal, hereby declare
(Printed Name of Witness)

that I was personally present and did see the above named person duly sign and execute the assignment.

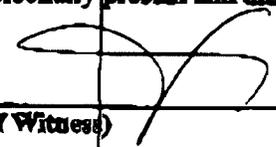

(Signature of Witness)

Date: 13/5/08

First Inventor: Cohen, et al
Application No.: 11/978,203
Filed: October 29, 2007
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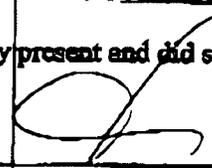
Date: 15.5.08 
Signature of: ALEXANDER DIBER

IN WITNESS WHEREOF, I Stella Diber, hereby declare
(Printed Name of Witness)
that I was personally present and did see the above named person duly sign and execute the
assignment.


(Signature of Witness)

Date: 15.5.08

IN WITNESS WHEREOF, I Stella Diber, hereby declare
(Printed Name of Witness)
that I was personally present and did see the above named person duly sign and execute the
assignment.


(Signature of Witness)

Date: 15.5.08

First Inventor: Cohen, et al
Application No.: 11/978,203
Filed: October 29, 2007
Page 4

Date: 25/5/08 _____
Signature of: AMIR TOPORIK

IN WITNESS WHEREOF, I, Oshrat Lederman, hereby declare
(Printed Name of Witness)
that I was personally present and did see the above named person duly sign and execute the
assignment.

[Signature]
(Signature of Witness)

Date: 25/5/08

IN WITNESS WHEREOF, I, Roni Tal, hereby declare
(Printed Name of Witness)
that I was personally present and did see the above named person duly sign and execute the
assignment.

[Signature]
(Signature of Witness)

Date: 25/5/08

Date: 15/5/08 _____
Signature of: SARAH POLLOCK

IN WITNESS WHEREOF, I, Oshrat Lederman, hereby declare
(Printed Name of Witness)

that I was personally present and did see the above named person duly sign and execute the assignment.

OL

(Signature of Witness)

Date: 15/5/08.

IN WITNESS WHEREOF, I, _____, hereby declare
(Printed Name of Witness)

that I was personally present and did see the above named person duly sign and execute the assignment.

(Signature of Witness)

Date: _____

First Inventor: Cohen, et al
Application No.: 11/978,203
Filed: October 29, 2007
Page 6

Date: 12/5/08 _____
Signature of: **ZURIT LEVINE**

IN WITNESS WHEREOF, I, Oshrat Lederman, hereby declare
(Printed Name of Witness)
that I was personally present and did see the above named person duly sign and execute the
assignment.


(Signature of Witness)

Date: 12.6.08

IN WITNESS WHEREOF, I, Roni TqL, hereby declare
(Printed Name of Witness)
that I was personally present and did see the above named person duly sign and execute the
assignment.


(Signature of Witness)

Date: 12/5/08

First Inventor: Cohen, et al
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Date: 25/5/08

~~Michael Ayalon-Soffer~~
Signature of: MICHAEL AYALON-SOFFER

IN WITNESS WHEREOF, I, Yael Fyromkin, hereby declare
(Printed Name of Witness)

that I was personally present and did see the above named person duly sign and execute the assignment.

Yael Fyromkin
(Signature of Witness)

Date: 25/5/08

IN WITNESS WHEREOF, I, _____, hereby declare
(Printed Name of Witness)

that I was personally present and did see the above named person duly sign and execute the assignment.

(Signature of Witness)

Date: _____

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Filed: October 29, 2007
Page 8

Date: 12.5.08

Gadya
Signature of: **GAD S. COLOCARU**

COLOCARU Gadya

IN WITNESS WHEREOF, I, Oskrat Lederman, hereby declare
(Printed Name of Witness)

that I was personally present and did see the above named person duly sign and execute the assignment.

[Signature]
(Signature of Witness)

Date: 12.5.08

IN WITNESS WHEREOF, I, Roni Tal, hereby declare
(Printed Name of Witness)

that I was personally present and did see the above named person duly sign and execute the assignment.

[Signature]
(Signature of Witness)

Date: 12/5/08

First Inventor: Cohen, et al
Application No.: 11/978,203
Filed: October 29, 2007
Page 9

Date: 12/5/08 _____
Signature of: AMIT NOVIK

IN WITNESS WHEREOF, I, Oshrat Lederman, hereby declare
(Printed Name of Witness)
that I was personally present and did see the above named person duly sign and execute the assignment.

[Signature]
(Signature of Witness)

Date: 12/5/08

IN WITNESS WHEREOF, I, Roni TqL, hereby declare
(Printed Name of Witness)
that I was personally present and did see the above named person duly sign and execute the assignment.

[Signature]
(Signature of Witness)

Date: 12/5/08

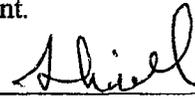
First Inventor: Cohen, et al
Application No.: 11/978,203
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Date: 5/15/2008


Signature of: GUY KOL

IN WITNESS WHEREOF, I, Shirley Portuguese, hereby declare
(Printed Name of Witness)

that I was personally present and did see the above named person duly sign and execute the assignment.


(Signature of Witness)

Date: May 13 2008

IN WITNESS WHEREOF, I, _____, hereby declare
(Printed Name of Witness)

that I was personally present and did see the above named person duly sign and execute the assignment.

(Signature of Witness)

Date: _____

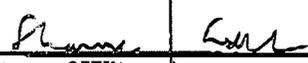
First Inventor: Cohen, et al
Application No.: 11/978,203
Filed: October 29, 2007
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Date: 25/15/08


Signature of: OSNAT SELLA-TAVOR

IN WITNESS WHEREOF, I, SHARONIE FODESH, hereby declare
(Printed Name of Witness)

that I was personally present and did see the above named person duly sign and execute the assignment.


(Signature of Witness)

Date: 25/15/08

IN WITNESS WHEREOF, I, _____, hereby declare
(Printed Name of Witness)

that I was personally present and did see the above named person duly sign and execute the assignment.

(Signature of Witness)

Date: _____

First Inventor: Cohen, et al
Application No.: 11/978,203
Filed: October 29, 2007
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Date: 12.5.08 Shira Walach
Signature of: SHIRA WALACH

IN WITNESS WHEREOF, I, Oshrat Lederman, hereby declare
(Printed Name of Witness)
that I was personally present and did see the above named person duly sign and execute the
assignment.

[Signature]
(Signature of Witness)

Date: 12.05.08

IN WITNESS WHEREOF, I, Liat Divy, hereby declare
(Printed Name of Witness)
that I was personally present and did see the above named person duly sign and execute the
assignment.

[Signature]
(Signature of Witness)

Date: 12.05.08.

Date: 1.6.08

Shirley Sameah-Greenwald
Signature of: SHIRLEY SAMEAH-GREENWALD

IN WITNESS WHEREOF, I, Oshrat Lederman, hereby declare
(Printed Name of Witness)

that I was personally present and did see the above named person duly sign and execute the assignment.

[Signature]
(Signature of Witness)

Date: 1.6.08.

IN WITNESS WHEREOF, I, Roni TqL, hereby declare
(Printed Name of Witness)

that I was personally present and did see the above named person duly sign and execute the assignment.

[Signature]
(Signature of Witness)

Date: 1/6/08

Date: 12.05.08



Signature of: **RONEN SHEMESH**

IN WITNESS WHEREOF, I, Oshrat Lederman, hereby declare
(Printed Name of Witness)

that I was personally present and did see the above named person duly sign and execute the assignment.



(Signature of Witness)

Date: 12.5.08

IN WITNESS WHEREOF, I, Roni Tal, hereby declare
(Printed Name of Witness)

that I was personally present and did see the above named person duly sign and execute the assignment.



(Signature of Witness)

Date: 12/5/08