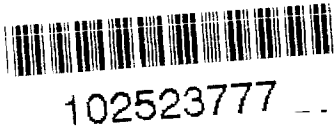


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Form PTO-1595 (Rev. 10/02) OMB No. 0651-0027 (exp. 6/30/2005) Tab settings



U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office

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

1. Name of conveying party(ies): Milcho S. Mincheff, Serguei Zoubak, Dimitri Loukinov. Additional name(s) of conveying party(ies) attached? No

2. Name and address of receiving party(ies): Name: DNAVax, Incorporated. Internal Address: n/a. Street Address: 12111 Parklawn Drive. City: Rockville State: MD Zip: 20852-1874. Additional name(s) & address(es) attached? No

3. Nature of conveyance: [X] Assignment, [] Merger, [] Security Agreement, [] Change of Name, [] Other. Execution Date: 6/25/03

4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: A. Patent Application No.(s) B. Patent No.(s) US 6, 387,888. Additional numbers attached? No

5. Name and address of party to whom correspondence concerning document should be mailed: Name: Harold T. Meryman, MD. Internal Address: n/a. Street Address: 12111 Parklawn Drive. City: Rockville State: MD Zip: 20852-1784

6. Total number of applications and patents involved: 1. 7. Total fee (37 CFR 3.41): \$40.00. [X] Enclosed, [] Authorized to be charged to deposit account

8. Deposit account number:

DO NOT USE THIS SPACE

9. Signature. Mary St.J. Douglas, Name of Person Signing

Signature of Mary St.J. Douglas

Date: 7/21/03

Total number of pages including cover sheet, attachments, and documents: 4

OFFICE OF PATENT RECORDS 2003 AUG -3 AM 9:09 FINANCE SECTION

08/11/2003 ECDOPER 00000160 6387888

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40.00 DP

Main documents to be recorded with required cover sheet information to: Commissioner of Patents & Trademarks, Box Assignments Washington, D.C. 20231

PATENT REEL: 014357 FRAME: 0460

AGREEMENT FOR ASSIGNMENT OF INTELLECTUAL PROPERTY

This Agreement is made between the **ASSIGNOR** Parties,
hereinafter collectively referred to as **ASSIGNORS**,

Milcho S. Mincheff, M.D., Ph.D., whose post office address is 18612 Bay Leaf Way,
Germantown, Maryland 20855, **ASSIGNOR**, and

Serguei Zoubak, Ph.D., whose post office address is 18106 Coachman's Road,
Germantown, Maryland 20874, **ASSIGNOR**, and

Dimitri Loukinov, Ph.D., whose post office address is 1912 Wheat Field Drive,
Germantown, Maryland 20876, **ASSIGNOR**.

and

DNAvax, Incorporated, a Maryland Corporation doing business in Maryland whose
post office address is 12111 Rockville Pike, Rockville, Maryland 20852, **ASSIGNEE**.

The Intellectual Property is :

U.S. patent Number 6,387,888, Immunotherapy of Cancer through Expression of
Truncated Tumor-Associated Antigen,

U.S. Patent Application Serial Number 09/704,232, Methods and Compositions for
Inducing Cell-Mediated Immune Responses, filed November 1, 2000 ;

Whereas the **ASSIGNORS** own one hundred percent (100 %) of the *Intellectual Property*
previously assigned by separate documents recorded at the Patent and Trademark Office
at Reel/Frame 9729/0589 and at Reel/Frame 011708/0957, and

Whereas the **ASSIGNEE** is desirous of acquiring 100% of the *Intellectual Property*
owned by the **ASSIGNORS**,

Therefore, the Parties agree as follows:

I. Assignment :

The said **ASSIGNORS**, by these presents do sell, assign and transfer unto to said
ASSIGNEE the entire right, entire title and entire interest in the said invention owned by
the said **ASSIGNORS** and the entire right, entire title and entire interest in any and all

patent applications, including utility patent applications, and Letters Patent which may be granted in the United States or any foreign country, including those based on any corresponding foreign applications and including those based on any provisional, divisional, continuing, substitute or reissue application owned by the ASSIGNORS; The one hundred percent (100%) of the entire right, the entire title and the entire interest which is owned by the ASSIGNORS to be distributed to the ASSIGNEE.

2. Consideration :

In consideration for the assignment of all of the right, title and interest owned by the ASSIGNORS, ASSIGNEE agrees to pay ASSIGNORS the sum of one dollar (\$1.00) and other good and valuable consideration at the time of execution of this instrument.

3. Termination :

This agreement shall terminate on the day of the expiration of the last to expire patent associated with this Intellectual Property.

4. Miscellaneous :

Each Party shall act in good faith and shall not take any action which hinders the rights of the other Parties. The provisions of this Agreement shall be binding upon the heirs, executors, administrators, successor and assigns of the Parties. If any term, provision, covenant or condition of this Agreement is held to be illegal or invalid for any reason whatsoever, such illegality or invalidity shall not affect the validity of the remainder of this Agreement. This Agreement constitutes the entire understanding between the Parties and can only be modified by the written agreement of the Parties. This Agreement shall be governed by the laws of the State of Maryland.

MY SIGNATURE BELOW INDICATES THAT I HAVE READ AND UNDERSTAND THIS AGREEMENT

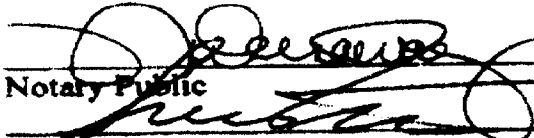
Executed this 19th day of June, 2003, at Rockville, MD


Milcho S. Mincheff, M.D., Ph.D.

State of Maryland
County of Montgomery

Before me personally appeared said Milcho S. Mincheff and acknowledged the foregoing instrument to be his free act and deed this 19 day of June 2003.

MELISSA DUNAWAY
Notary Public, State of Maryland
My Commission Expires Aug. 22, 2006

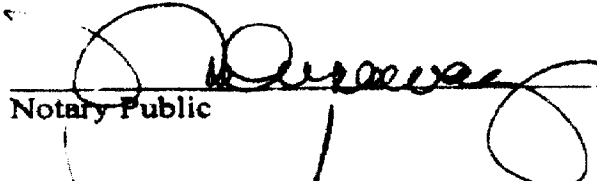

Notary Public
Serguei Zoubak, Ph.D.

My Commission Expires

State of Maryland
County of Montgomery

Before me personally appeared said Serguei Zoubak and acknowledged the foregoing instrument to be his free act and deed this 19 day of ~~January~~ June 2003.

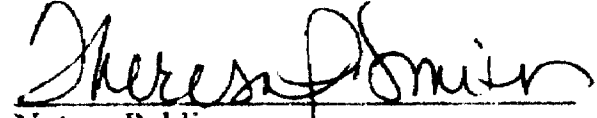
MELISSA DUNAWAY
Notary Public, State of Maryland
~~My Commission Expires Aug. 22, 2006~~
My Commission Expires


Notary Public
Dimitri Loukinov, Ph.D.

State of Maryland
County of Montgomery

Before me personally appeared said Dimitri Loukinov and acknowledged the foregoing instrument to be his free act and deed this 25 day of ~~January~~ June 2003.


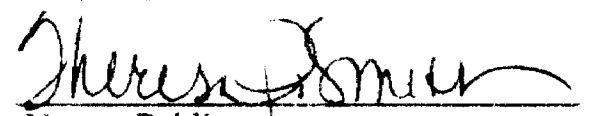
Feb 1, 2005
My Commission Expires


Notary Public
Theresa Jomin

State of Maryland
County of Montgomery

Before me personally appeared said Marne L-S Hornblower and acknowledged the foregoing instrument to be her free act and deed this 25 day of ~~January~~ June 2003.

Feb 1, 2005
My Commission Expires


Marne L-S Hornblower, President
DNAVax, Incorporated
State of Maryland
County of Montgomery
Before me personally appeared said Marne L-S Hornblower and acknowledged the foregoing instrument to be her free act and deed this 25 day of ~~January~~ June 2003.

Notary Public