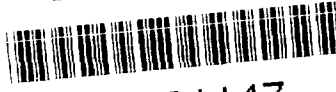


04-24-2003

Docket No. 60005161.0048

Form PTO-1595
(Rev. 03/01)
OMB No. 0651-0027 (exp. 5/31/2002)



ET U.S. DEPARTMENT OF COMMERCE
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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): 4-21-03
Sondra Schlesinger and Ilya Frolov

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

**The Washington University
One Brookings Drive
St. Louis, Missouri 63130**

Additional name(s) of conveying party(ies) attached? Yes No

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other:

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

Execution Date: No later than 4/15/2003

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)

09/507,362

B. Patent No.(s)

Additional numbers attached Yes No

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

**Michael T. Marrah
Sonnenschein Nath & Rosenthal
Post Office Box 061080
Wacker Drive Station
Sears Tower
Chicago, Illinois 60606-1080
(312) 876-8000**

6. Total number of applications and patents involved: 1

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

- Enclosed
- Authorized to be charged to deposit account

8. Deposit account number:
19-3140

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April 7, 2003
Date

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FINANCE SECTION

04/20/03 003 LNUELLER 00000013 193140 09507362
FC 0021 40.00 CH

Docket Number: 60005161.0048

ASSIGNMENT

WHEREAS, Sondra Schlesinger, a citizen of United States of America, residing at 6320 McPherson Street, St. Louis, Missouri 63130 and Ilya Frolov, a citizen of United States of America, residing at 1024 Church Street, Galveston, Texas 77550 referred to as ASSIGNORS, have invented a certain Invention as claimed in U.S. patent application Serial No. 09/507,362 entitled: "RECOMBINANT ALPHAVIRUS-BASED VECTORS WITH REDUCED INHIBITION OF CELLULAR MACROMOLECULAR SYNTHESIS" ("Application"); and

WHEREAS, The Washington University, incorporated in the State of Missouri, with a principal place of business at One Brookings Drive, St. Louis, Missouri 63130, hereinafter referred to as ASSIGNEE, is desirous of acquiring the entire right, title and interest in, to and under said Invention, Application and the United States Letters Patent to be obtained therefor:

NOW THEREFORE, TO ALL WHOM IT MAY CONCERN:

Be it known that for good and valuable consideration, the receipt of which is hereby acknowledged, the ASSIGNORS hereby sell, assign and transfer to ASSIGNEE the full and exclusive right, title and interest to said Invention, Application, and all Letters Patent of the United States to be obtained therefor on said Application or any non-provisional, continuation, division, renewal, substitute or reissue thereof for the full term or terms for which the same may be granted.

ASSIGNORS also assign all of their right, title and interest in and to said Invention in all foreign countries, and all applications for Letters Patent which may evolve therefrom, including the right to claim International Convention priority.

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

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

Date: _____

Sondra Schlesinger, Inventor

Date: 4/15/03

Ilya Frolov, Inventor

Docket Number: 60005161.0048

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Date: 04/11/03


Sondra Schlesinger, Inventor

Date: _____

Ilya Frolov, Inventor