

11-15-2000



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Name (line 1) **Stoyan R. Bardarov**

Execution Date
Month Day Year
09 13 99

Name (line 2)

Second Party

Name (line 1)

Execution Date
Month Day Year

Name (line 2)

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Name (line 1) **ALBERT EINSTEIN COLLEGE OF MEDICINE OF YESHIVA UNIVERSITY**

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Address (line 2) **1300 Morris Park Avenue**

Address (line 3) **Bronx**

City

New York

State/Country

10461

Zip Code

Domestic Representative Name and Address

Enter for the first Receiving Party only.

Name **Craig J. Arnold**

Address (line 1) **Amster, Rothstein & Ebenstein**

Address (line 2) **90 Park Avenue**

Address (line 3) **New York, New York 10016**

Address (line 4)

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REEL: 011232 FRAME: 0931

Correspondent Name and Address

Area Code and Telephone Number (212) 697-5995

Name Craig J. Arnold

Address (line 1) Amster, Rothstein & Ebenstein

Address (line 2) 90 Park Avenue

Address (line 3) New York, New York 10016

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3

Application Number(s) or Patent Number(s)

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Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

09/350,048

Patent Number(s)

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.

Month Day Year

Patent Cooperation Treaty (PCT)

Enter PCT application number

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Number of Properties

Enter the total number of properties involved.

1

Fee Amount

Fee Amount for Properties Listed (37 CFR 3.41): \$ 40.00

Method of Payment:
Deposit AccountEnclosed ☒Deposit Account ☐

(Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number:

01-1785

Authorization to charge additional fees:

Yes

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No

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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. Charges to deposit account are authorized, as indicated herein.

Craig J. Arnold

Name of Person Signing

Signature

November 1, 2000

Date

ASSIGNMENT

WHEREAS, Stoyan S. Bardarov (hereinafter "the Assignor"), a citizen of Bulgaria residing at 1579 Rhineland, Apt. 3R, Bronx, New York 10461, together with William R. Jacobs, Jr., has invented certain new and useful improvements in ONE STEP ALLELIC EXCHANGE IN MYCOBACTERIA USING IN VITRO GENERATED CONDITIONAL TRANSDUCING PHAGES, for which an application for United States Letters Patent was filed on July 8, 1999, and assigned U.S. Serial No. 09/350,048; and

WHEREAS, Albert Einstein College of Medicine of Yeshiva University, a Division of Yeshiva University, (hereinafter "the Assignee"), a corporation organized under the laws of the State of New York, having a principal place of business at 1300 Morris Park Avenue, Bronx, New York 10461 is desirous of acquiring the entire right, title and interest in and to said application and the invention described therein, and each and every patent that can be issued on said application and on said invention in the United States of America and in its territories and possessions, and in all countries foreign to the United States of America;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, be it known that for and in consideration of One Dollar (\$1.00), in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, the Assignor has sold, assigned and transferred, and by these presents does hereby sell, assign and transfer unto the Assignee the full and exclusive right, title and interest in and to the aforesaid application, the aforesaid invention, and each and every patent that may be issued on the aforesaid invention and application in the United States of America, and in its territories and

possessions and also in all countries foreign to the United States of America, the same to be held and enjoyed by the Assignee for its own use and benefit, and for the use and benefit of its successors, assigns or other legal representatives to the end of the term or terms for which a patent or patents may be granted as fully and entirely as the same would have been held and enjoyed by Assignor if this Assignment had not been made.

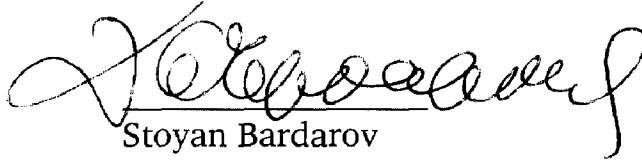
Assignor hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all Letters Patent on the aforesaid invention or resulting from the aforesaid application directly to the Assignee.

Assignor hereby authorizes the Assignee and its successors to apply for a patent or patents directly in its own name upon the aforesaid invention wherever the same is permitted by law, and also assign, sell, transfer and set over unto the Assignee and its successors all priority rights under the aforesaid application.

Assignor further covenants to execute all additional instruments and to do all things necessary to carry out the purpose of this instrument, at the expense of the Assignee and its successors.

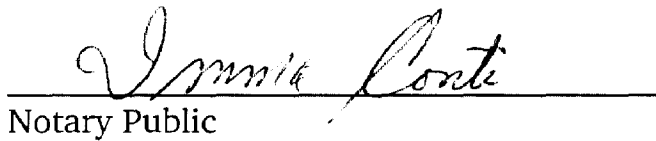
IN WITNESS WHEREOF, Assignor has hereunto set his hand and affixed his seal

this ^{13th} day of SEPT, 1999.


Stoyan Bardarov

STATE OF NEW YORK)
COUNTY OF BRONX) ss.:

On this ^{13th} day of SEPT, 1999, before me came Stoyan Bardarov, to me known and known to me to be the individual described in, and who executed the foregoing instrument, and he acknowledged to me that he had executed the same.


Notary Public

IMMA CONTI
Notary Public, State of New York
No. 03-4943451
Qualified in Bronx County
Commission Expires 12/24/2000