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FORM PTO-1595



Patent and Trademark Office

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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):

ZHIDONG CHEN

DUANE E. RUFFNER

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

2. Name and address of receiving party(ies)

Name: University of Utah

Internal Address: _____

Street Address: 615 Arapeen Drive, Suite 110

City: Salt Lake City State: Utah ZIP: 84108

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

3. Nature of conveyance:

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

Execution Date: July 5, 2000

4. Application number(s) or patent number(s): 09582906

If this document is being filed together with a new application, the execution date of the application is: July 5, 2000

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: Alan J. Howarth

Internal Address: CLAYTON, HOWARTH &

CANNON, P.C.

Street Address: P.O. Box 1909

City: Sandy State: Utah ZIP: 84091-1909

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

(deficiency)

8. Deposit account number: 50-0836

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

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9. Statement and signature.

I, Alan J. Howarth, declare under penalty of perjury that the foregoing is true and correct. I am a citizen of the United States. I am 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.

Alan J. Howarth

Name of Person Signing

Alan J. Howarth

Signature

July 5, 2000

Date

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

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments

ALAN J. HOWARTH
CLAYTON, HOWARTH & CANNON, P.C.
P.O. BOX 1909
Sandy, Utah 84091-1909

A S S I G N M E N T

WHEREAS, we, **ZHIDONG CHEN and DUANE E. RUFFNER**, residents of Utah, have invented a certain product and process entitled **METHOD FOR IN VITRO AMPLIFICATION OF CIRCULAR DNA**, for which an application for United States Patent was executed on July 5, 2000, (We hereby authorize the attorneys of Clayton, Howarth & Cannon, P.C. to insert said execution date when known); and

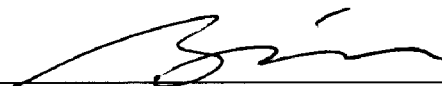
WHEREAS, the University of Utah, a university of higher education and a nonprofit corporation, organized and existing under the State of Utah, located at 615 Arapeen Drive, Suite 110, Salt Lake City, Utah 84108; is desirous of acquiring our entire right, title and interest in the same;

NOW, THEREFORE, in consideration of one dollar (\$1.00), the receipt and sufficiency whereof is hereby acknowledged, and other good and valuable consideration, we, the said **ZHIDONG CHEN and DUANE E. RUFFNER**, by these presents do sell, assign and transfer unto said University of Utah, our full and exclusive right to the said invention and in and to said application and any and all divisions and continuations, substitutes and reissues of said application and the entire right, title and interest in, to and

under any and all Letters Patent of the United States and foreign countries that may issue or be granted on said invention.

The Commissioner of Patents is hereby authorized and requested to issue said Letters Patent to said University of Utah, as the assignee of the entire right, title, and interest in and to the same, for its sole use and behoof; and for the use and behoof of its legal representatives, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by us had this assignment and sale not been made.

Executed this 5th day of July, 2000, at
Salt Lake City, Utah.
(City) (State)


ZHIDONG CHEN

Executed this 5th day of July, 2000, at
Salt Lake City, Utah.
(City) (State)


DUANE E. RUFFNER

STATE OF Utah)
 : SS
County of Salt Lake)

Before me personally appeared said ZHIDONG CHEN and
acknowledged the foregoing instrument to be his free act and deed
this 5th day of July, 2000.

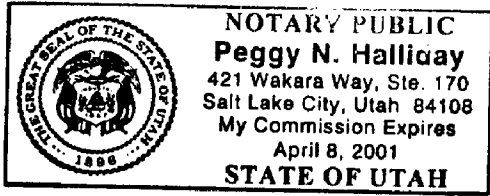
Peggy N. Halliday
Notary Public
Residing at:

My commission expires:

April 8, 2001

Salt Lake City, UT

STATE OF Utah)
 : SS
County of Salt Lake)



Before me personally appeared said DUANE E. RUFFNER and
acknowledged the foregoing instrument to be his free act and deed
this 5th day of July, 2000.

Peggy N. Halliday
Notary Public
Residing at:

My commission expires:

April 8, 2001

Salt Lake City, UT

