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U.S. DEPARTMENT OF

09/647344
Patent and Trademark Office

(Rev. 6-93)

OMB No. 0651-0011 (exp. 4/94)

Tab settings



101585323

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

1. Name of conveying party(ies):

Duane E. Ruffner, Michael L. Pierce and
Zhidong ChenAdditional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other

Execution Date: September 29, 2000

2. Name and address of receiving party(ies)

Name: University of Utah

Internal Address: 421 Wakara Way, #170

Salt Lake City, Utah 84108

Street Address: _____

City: _____ State: _____ ZIP: _____

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

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)

09/647,344

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 (Customer No. 20450)Internal Address: CLAYTON, HOWARTH &CANNON, P.C.Street Address: P.O. Box 1909City: Sandy State: Utah ZIP: 84091-19096. Total number of applications and patents involved: One7. Total fee (37 CFR 3.41).....\$ 40.00☒ Enclosed☐ Authorized to be charged to deposit account

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.

*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.*Alan J. Howarth

Name of Person Signing

Alan J. Howarth

Signature

December 4, 2000

Date

Total number of pages including cover sheet, attachments, and document: 4Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments

12/07/2000 ERIMANDO 00000098 09647344

40.00 DP

PATENT
REEL: 011421 FRAME: 0980

A S S I G N M E N T

WHEREAS, we, Duane E. RUFFNER, Michael L. PIERCE, and Zhidong CHEN, residents of Utah, have invented a certain new and useful improvement in a DIRECTED ANTISENSE LIBRARIES, for which an application for United States Letters Patent was filed on September 28, 2000 and received Serial Number 09/647,344

(I hereby authorize the attorneys of Clayton, Howarth & Cannon, P.C. to insert said serial number and filing 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 421 Wakara Way, #170, 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 Duane E. RUFFNER, Michael L. PIERCE, and Zhidong CHEN, by these presents do sell, assign and transfer unto said University of Utah, our full and


WHEN RECORDED RETURN TO:

Alan J. Howarth
Clayton, Howarth & Cannon, P.C.
P.O. Box 1909
Sandy, Utah 84091

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 28th day of September, 2000, at Salt Lake City, Utah.


Duane E. RUFFNER

STATE OF UTAH)
 : ss

WHEN RECORDED RETURN TO:

Alan J. Howarth
Clayton, Howarth & Cannon, P.C.
P.O. Box 1909
Sandy, Utah 84091

County of Salt Lake)

Before me personally appeared said Duane E. RUFFNER, ~~Michael L. PIERCE~~, and Zhidong CHEN and acknowledged the foregoing instrument to be their free act and deed this 28th day of September, 2000.

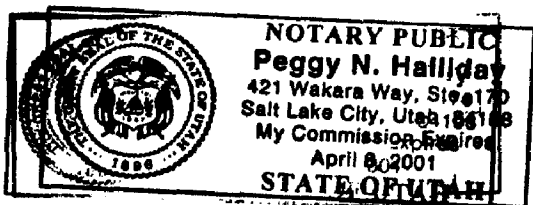
Peggy N. Halliday
Notary Public

My commission expires:

April 8, 2001

Residing at:

Salt Lake City, Utah



Michael L. PIERCE
Michael L. PIERCE

STATE OF UTAH)

: ss

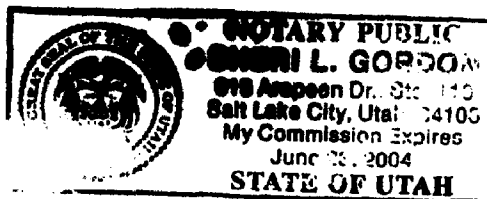
County of Salt Lake)

Before me personally appeared said ~~Duane E. RUFFNER~~, Michael L. PIERCE, ~~and Zhidong CHEN~~ and acknowledged the foregoing instrument to be their free act and deed this 29th day of September, 2000.

Shari L. Gordon
Notary Public

WHEN RECORDED RETURN TO:

Alan J. Howarth
Clayton, Howarth & Cannon, P.C.
P.O. Box 1909
Sandy, Utah 84091



My commission expires:

6/23/2004

Residing at:

Salt Lake City, Utah



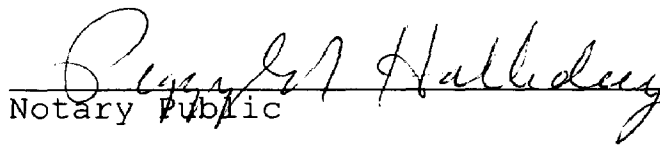
Zhidong CHEN

STATE OF UTAH)

: SS

County of Salt Lake)

Before me personally appeared said ~~Duane E. RUEFFNER, Michael L. PIERCE,~~ and Zhidong CHEN and acknowledged the foregoing instrument to be their free act and deed this 28th day of September, 2000.


Notary Public

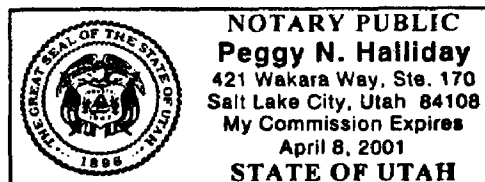
My commission expires:

April 8, 2001

Residing at:

Salt Lake City, Utah

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WHEN RECORDED RETURN TO:

Alan J. Howarth
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Sandy, Utah 84091

- 4 -

RECORDED: 12/04/2000

PATENT
REEL: 011421 FRAME: 0984