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To the Honorable Commissioner of Patents and Trademarks, please return the attached original documents or copy thereof.

1. Name of conveying party(ies):

Michael E. Spencer, James J. Croft, III, and Joseph O. Norris

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

2. Name and address of receiving party(ies)

Name: American Technology Corporation

Internal Address: _____

Street Address: 13114 Evening Creek Road San Diego, California 92128

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

3. Nature of conveyance:

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

Execution Date: August 20, 1999

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: August 20, 1999

A. Patent Application No.(s)

09/384084

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: Vaughn W. North/SMP

Mailing Address: THORPE, NORTH & WESTERN, L.L.P.

P.O. Box 1219

Sandy, Utah 84091-1219

09/02/1999 UTILER 00000011 09384084

FC:581

40.00 GP

City: _____ State: _____ ZIP: _____

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41).....\$40

Enclosed

Authorized to be charged to deposit account

8. Deposit account number:

20-0100 (Deficiencies only)

(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.

Vaughn W. North

Name of Person Signing

Signature

Aug 25, 1999 Date

Total number of pages including cover sheet, attachments, and document: 5

1588 U.S. PTO 09/30/04

Steve M. Perry
THORPE, NORTH & WESTERN, L.L.P.
P.O. BOX 1219
SANDY, UTAH 84091-1219

A S S I G N M E N T

WHEREAS, we, Michael E. Spencer, James J. Croft, III, and Joseph O. Norris, residents of the state of California, have invented a certain new and useful improvement in a MODULATOR PROCESSING FOR A PARAMETRIC SPEAKER SYSTEM for which an application for United States Letters Patent is being filed concurrently herewith; and

WHEREAS, AMERICAN TECHNOLOGY CORPORATION, a Delaware corporation, having a business address of 13114 Evening Creek Road, San Diego, California 92128, is desirous of acquiring the 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 Michael E. Spencer, James J. Croft, III, and Joseph O. Norris, by these presents, do sell, assign, and transfer unto said AMERICAN TECHNOLOGY CORPORATION, the full and exclusive right to the said invention and in and to said patent application, and any and all applications for patent, divisions and continuations, substitutes and reissues of said applications 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.

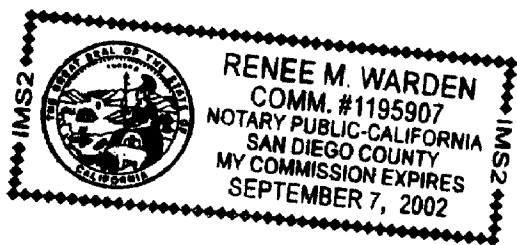
The Commissioner of Patents is hereby authorized and requested to issue said Letters Patent to said AMERICAN TECHNOLOGY CORPORATION as the assignee of the entire right, title, and interest in and to the same, for its sole use and behoof; and for the use and behoof of its legal representatives, to the 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 13th day of August, 1999, at San Diego, California.

STATE OF California)
: ss
County of San Diego)

James J. Croft, III
James J. Croft, III

Before me personally appeared James J. Croft, III and acknowledged the foregoing instrument to be his free act and deed this 13th day of August, 1999.



Renee M. Warden
Notary Public

My commission expires:

Sept 7, 2002

Residing at:

San Diego

Executed this 20th day of August, 1999, at
Redondo Beach, California.

Michael E. Spencer
Michael E. Spencer

STATE OF CALIFORNIA

: SS

County of LOS ANGELES

Before me personally appeared Michael E. Spencer and
acknowledged the foregoing instrument to be his free act and deed
this 20TH day of AUGUST, 1999.



Mia Miong H. Leu
Notary Public

My commission expires:

MARCH 19, 2003

Residing at:

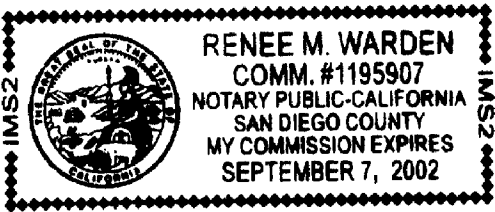
1414 W. Gardena Bl.
Gardena CA 90248

Executed this 13th day of August, 1999, at
San Diego, California.

Joseph O. Norris
Joseph O. Norris

STATE OF California)
: SS
County of San Diego)

Before me personally appeared Joseph O. Norris and
acknowledged the foregoing instrument to be his free act and deed
this 13th day of August, 1999.



Renee M. Warden
Notary Public

My commission expires:
September 7, 2002

Residing at:
San Diego

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