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Atty. Dkt. No.: NTI-034(769)

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

1. Name of conveying party(ies):

Hua-Yu Liu

Additional name(s) of conveying party(ies) attached?

☐ Yes ☒ No

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

Name: Numerical Technologies, Inc.

Street Address: 70 West Plumeria Drive

City/State/Zip: San Jose, CA 95134

Additional name(s) & address(es) attached?

☐ Yes ☒ No

3. Nature of conveyance:

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

Execution Date: 04/02/2002

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: 04/03/2002

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:

Jeanette S. Harms
 Bever, Hoffman & Harms, LLP
 2099 Gateway Place, Suite 320
 San Jose, CA 95110-1017

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: 50-0574
 (Attorney Docket No.: NTI-034(769))

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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.

Jeanette S. Harms

Name of Person Signing

Signature

April 3, 2002

Date

Total number of pages including cover sheet, attachments, and document: [2]

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PATENT
 REEL: 012769 FRAME: 0568

ASSIGNMENT

For good and valuable consideration, receipt of which is hereby acknowledged, I/~~we~~

Hua-Yu Liu of 3434 Waverly Street Palo Alto, CA 94306

hereby sell, assign and transfer to **Numerical Technologies, Inc.**, a Delaware corporation, having a place of business at 70 West Plumeria Drive San Jose, CA 95134, its successors and assigns, the entire right, title and interest throughout the world in our invention in

SYSTEM AND METHOD TO DETERMINE IMPACT OF LINE END SHORTENING

for which we will execute a United States patent application on or about the date of this assignment, and all patent applications and patents of every country for said invention, including divisions, reissues, continuations and extensions thereof, and all rights of priority resulting from the filing of said applications; we authorize the above-named assignee to apply for patents of foreign countries for said invention, and to claim all rights of priority without further authorization from us; we agree to execute all papers useful in connection with said United States and foreign applications, and generally to do everything possible to aid said assignee, their successors, assigns and nominees, at their request and expense, in obtaining and enforcing patents for said invention in all countries; and we request the Commissioner of Patents and Trademarks to issue all patents granted for said invention to the above-named assignee, its successors and assigns.

Executed this 2 day of April, 2002.

Hua-Yu Liu

State of California)
) ss.
County of Santa Clara)

CAPACITY CLAIMED BY SIGNER
() individual(s) signing for
[X] oneself/themselves

On 4-2-02 before me, Ann C. Williams, Notary Public, personally appeared Hua-Yu Liu
☒ personally known to me --or-- [] proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that ~~he~~/she executed the same in ~~his~~/her authorized capacity, and that by ~~his~~/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Ann C. Williams
Signature

