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RECOR



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U.S. DEPARTMENT OF COMMERCE  
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Atty. Dkt. No.: NTI-789

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

1. Name of conveying party(ies):  
**Linyong Pang** *12-9-02*  
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 W. Plumeria Drive**  
City/State/Zip: **San Jose, CA 95134-2134**  
Additional name(s) & address(es) attached?  
 Yes  No

3. Nature of conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other

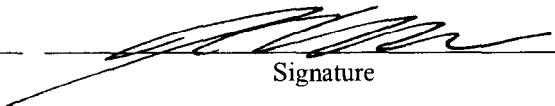
Execution Date: 12/03/2002

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: N/A  
A. Patent Application No.(s): 10/243,629 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-789)

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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  December 4, 2002  
Name of Person Signing Signature Date  
Total number of pages including cover sheet, attachments, and document: [2]

12/19/2002 TDIAZ1 00000024 500574 10243629  
01 FC:8021 40.00 CH

**PATENT**  
**REEL: 013577 FRAME: 0409**

ASSIGNMENT

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

Qi-De Qian of 159 Gilbert Ave. Santa Clara, CA 95051  
Linyong Pang of 18575 Greenridge Ct. Castro Valley, CA 94552

hereby sell, assign and transfer to Numerical Technologies, Inc., a Delaware corporation, having a place of business at 70 W. Plumeria Dr. San Jose, CA 95134-2134, its successors and assigns, the entire right, title and interest throughout the world in our invention in

**SOFT DEFECT PRINTABILITY SIMULATION AND ANALYSIS FOR MASKS**

for which United States patent application Serial No. 10/243,629 was filed on September 13, 2002, 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 \_\_\_\_\_ day of \_\_\_\_\_, 2002.

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

\_\_\_\_\_  
**Qi-De Qian**

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

On \_\_\_\_\_ before me, \_\_\_\_\_, personally appeared Qi-De Qian  
[ ] 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.

\_\_\_\_\_  
Signature

Executed this 3rd day of December, 2002.

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

\_\_\_\_\_  
**Linyong Pang**

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

On 12/3/02 before me, Ann C. Williams Notary Public, personally appeared Linyong Pang  
[ ] personally known to me --or-- [X] 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.

\_\_\_\_\_  
Signature

