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Execution Date
Month Day Year

Name (line 1) Pang, Linyong

04/07/2000

Name (line 2)

Second Party

Name (line 1) Howard, Daniel W.

Execution Date
Month Day Year
04/07/2000

Name (line 2)

Receiving Party

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Name (line 1) Numerical Technologies Inc.

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Address (line 2)

Address (line 3) San Jose CA 95134-2134

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Domestic Representative Name and Address

Enter for the first Receiving Party only.

Name Jeanette S. Harms

Address (line 1) 2099 Gateway Place, Suite 320

Address (line 2)

Address (line 3)

Address (line 4) San Jose, CA 95110-1017

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Correspondent Name and Address

Area Code and Telephone Number (408) 451-5907

Name Jeanette S. Harms

Address (line 1) BEVER, HOFFMAN & HARMS, LLP

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Conveying Party(ies)

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Name (line 1) Karklin, Linard

Execution Date
Month Day Year

04/07/2000

Name (line 2)

Execution Date
Month Day Year

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Name (line 2)

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Patent Application Number(s)

Patent Number(s)

ASSIGNMENT

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

<u>Linyong Pang</u>	<u>of 63 Abrams Ct, 1A, Stanford, CA 94305</u>
<u>Daniel William Howard</u>	<u>of 2255 Anna Dr., Santa Clara, CA 95050</u>
<u>Linard Karklin</u>	<u>of 1134 Shenandoah Dr., Sunnyvale, CA 94087</u>

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 95134-2134**, its successors and assigns, the entire right, title and interest throughout the world in our invention in "Method And Apparatus For A Network-Based Mask Defect Printability Analysis System" 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.

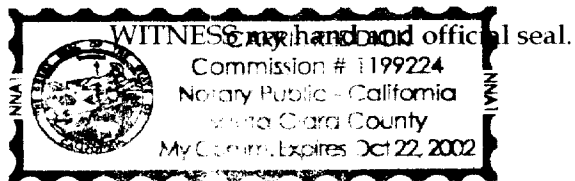
Executed this 7 day of April, 2000.

Linyong Pang

State of California
County of Santa Clara

CAPACITY CLAIMED BY SIGNER
[X] oneself/themselves

On April 7, 2000 before me, Carrie Reddick, 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.



Carrie Reddick
Signature

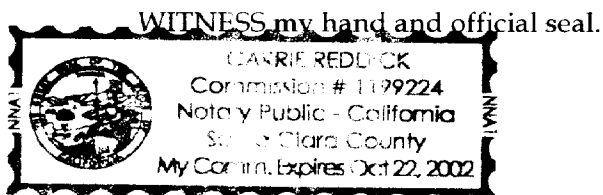
Executed this 7 day of April, 2000.

Daniel W Howard
Daniel William Howard

State of California
County of Santa Clara

CAPACITY CLAIMED BY SIGNER
[X] oneself/themselves

On April 7, 2000 before me, Carrie Reddick, personally appeared Daniel William Howard [] 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.



Executed this 7 day of April, 2000.

Signature

Linard Karklin
Linard Karklin

State of California
County of Santa Clara

CAPACITY CLAIMED BY SIGNER
[X] oneself/themselves

On April 7, 2000 before me, Carrie Reddick, personally appeared Linard Karklin [] 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.

Carrie Reddick
Signature

