-31-92 REC	-09-2001 ET U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office
To the Commissioner of Patents and Trademarks:	Please record the attached original documents or copy thereof.
. Name of conveying party(ies):	2. Name and address of receiving party(ies):
PIERRAT, Christophe; and ZHANG,	Name: Numerical Technologies, Inc.
Additional name(s) of conveying party(ies) attached?	U U U U U U U U U U U U U U U U U U U
Yes No	City/State/Zip: San Jose, CA 95134-2134
Nature of conveyance:	Additional name(s) & address(es) attached?
Assignment Image: Merger Security Agreement Image: Change of Name Other Other	🗌 Yes 🖾 No
Execution Date: <u>12/20/2000</u>	
Application number(s) or patent number(s): 09	14/269
f this document is being filed together with a new applicati	ion, the execution date of the application is:
A. Patent Application No.(s):	B. Patent No.(s):
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Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: [1]
Name: Jeanette S. Harms, Esq. Bever, Hoffman & Harms, LLP 2099 Gateway Place, Suite 320 San Jose, CA 95110-1017	 7. Total fee (37 CFR 3.41)
	8. Deposit account number: <u>50-0574</u> (Attorney Docket No.:)
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9. Statement and signature. To the best of my knowledge and belief, the foregoing the original document.	information is true and correct and any attached copy is a true copy of
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Jeanette S. Harms	Signature Date number of pages including cover sheet, attachments, and document: [2]

PATENT REEL: 011395 FRAME: 0338

ASSIGNMENT

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

Christophe Pierrat	of _	420 Riverside Court, Apt. 307, Santa Clara, CA 95054
Youping Zhang	of	37151 Magnolia Street, Newark, CA 94560

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

STRUCTURE AND METHOD OF CORRECTING PROXIMITY EFFECTS IN A TRI-TONE ATTENUATED PHASE-SHIFTING MASK

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 abovenamed assignee, its successors and assigns.

Executed this 20^{-1} day of _	Decentra 2000.	Christophe Pierrat
State of <u>California</u>)) ss. County of <u>Santa Clara</u>)		CAPACITY CLAIMED BY SIGNER () individual(s) signing for [X] oneself/themselves
On	before me,	, personally appeared <u>Christophe</u>

Pierrat [] 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.

Executed this 20 day of December, 2000.	12/20/2000 Signature
	Youping Zhang
State of <u>California)</u>) ss. County of <u>Santa Clara)</u>	CAPACITY CLAIMED BY SIGNER () individual(s) signing for [X] oneself/themselves
On before me, Zhang [] personally known to meor [X] proved to me on the l whose name is subscribed to the within instrument and acknowled his/her authorized capacity, and that by his/her signature on the instru- which the person acted, executed the instrument.	, personally appeared <u>Youping</u> basis of satisfactory evidence to be the person lged to me that he/she executed the same in rument the person, or the entity upon behalf of
WITNESS my hand and official seal.	

WIINESS my nanu ai

Signature

PATENT REEL: 011395 FRAME: 0339

RECORDED: 12/20/2000