FORM PTO 1595 (Modified) (Rev. 6-93) OMB No. 0651-0011 (exp.4/94) Copyright 1994-97 LegalStar P08/REV02

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Docket No.: SMT330

U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

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	narks: Please record the attached original documents or copy thereof				
1. Name of conveying party(ies): Larry Charneski and Tue Nguyen	2. Name and address of receiving party(les):				
	Name: Sharp Laboratories of America, Inc.				
	Internal Address:				
Additional names(s) of conveying party(ies)	0				
3. Nature of conveyance:					
★ Assignment	Street Address: 5750 NW Pacific Rim Boulevard				
☐ Security Agreement ☐ Change of Name	e				
☐ Other	City: Camas State: WA ZIP: 98607				
Execution Date: November 18, 1999	Additional name(s) & address(es) attached? Yes No				
4. Application number(s) or registration numbers(s):					
If this document is being filed together with a new appli	cation, the execution date of the application is:				
A. Patent Application No.(s)	B. Patent No.(s)				
09/108,260 July 1, 1998					
, , , , , , , , , , , , , , , , , , , ,					
Additional numbers	s attached? Yes No				
Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:				
Name: David C. Ripma, Reg. No. 27,672	7. Total fee (37 CFR 3.41):\$ 40.00				
Internal Address: Sharp Laboratories of America, Inc.	Enclosed - Any excess or insufficiency should be				
	credited or debited to deposit account				
	Authorized to be charged to deposit account				
Street Address: 5750 NW Pacific Rim Boulevard					
	8. Deposit account number:				
	19-1457				
City: Camas State: WA ZIP: 9860					
1	O NOT USE THIS SPACE				
1 FC:581 40.00 CH 9. Statement and signature	IV /\ 1.				
	information is true and correct/and any attached copy is a true copy				
David C. Ripma, Reg. No. 27,672	November 23, 1999				
Name of Person Signing	Signature Date				
	over sheet, attachments, and document:				

PATENT

REEL: 010412 FRAME: 0966

ASSIGNMENT

WHEREAS, the undersigned <u>Lawrence J. Charneski</u>, a resident of Vancouver, WA, and <u>Tue Nguyen</u>, a resident of Fremont, CA, (hereinafter termed "inventors") have invented certain new and useful improvements in:

ADHESION PROMOTION METHOD FOR CVD COPPER METALLIZATION IN IC APPLICATIONS

and has executed a declaration or oath for an application for a United St	ates
patent disclosing and identifying the invention:	

	On the day of, 1999,
	Or
x	Said application having been previously filed and assigned Serial Number 09/108,260, and filing date July 1, 1998.

WHEREAS Sharp Laboratories of America, Inc., a corporation of the State of Washington, (hereinafter termed "Assignee"), having a place of business at 5750 NW Pacific Rim Boulevard, Camas, State of Washington, wishes to acquire the entire right, title and interest in and to said application and the invention disclosed therein, and in and to all embodiments of the invention, heretofore conceived, made or discovered by said Inventor (all collectively hereinafter termed "said invention"), and in and to any and all patents, certificates of invention and other forms of protection thereon (hereinafter termed "patents") applied for or granted in the United States and/or other countries.

NOW THEREFORE, for good and valuable consideration acknowledged by said Inventor to have been received in full from said Assignee:

1. Said Inventors do hereby sell, assign, transfer and convey unto said Assignee, the entire right, title and interest (a) in and to said application and said invention; (b) in and to all rights to apply in any and all countries of the world for patents, certificates of inventions or other government grants on said invention, including the right to apply for patents pursuant to the International Convention for the Protection of Industrial property or pursuant to any other convention, treaty, agreement or understanding; (c) in and to any and all applications filed and any and all patents, certificates of inventions or other governmental grants granted on said invention in the United States or any other country, including each and every application filed and each and every patent granted on any application which is a division, substitution, or continuation of any of said applications; (d) in and to each and every reissue or extension of any of said patents; and (e) in

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PATENT REEL: 010412 FRAME: 0967 and to each and every patent claim resulting from a reexamination certificate for any and all of said patents.

- 2. Said Inventors hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right. title and interest herein conveyed in the United States and other countries. Such cooperation by said inventors shall include prompt production of pertinent facts and documents, giving of testimony, executing of petitions. oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for complying with any duty of disclosure; (c) for prosecuting any of said applications; (d) for filing and prosecuting substitute, divisional, continuing or additional applications covering said invention; (e) for filing and prosecuting application for reissue of any of said patents: (f) for interference or other priority proceedings involving said invention; and (a) for legal proceedings involving said invention and any applications therefor and any patents granted thereon, including without limitation opposition proceedings, cancellation proceedings, priority contests, public use proceedings, reexamination proceedings, compulsory licensing proceedings, infringement actions and court actions; provided, however. that the expense incurred by said Inventors in providing such cooperation shall be paid for by said Assignee.
- 3. The terms and covenants of this Assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventors, said Inventors' heirs, legal representatives and assigns.
- 4. Said Inventors hereby warrant and represent that said Inventors have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

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IN WITNESS WHEREOF, the said Inve this instrument to said Assignee on the date of Notary Public as given below.	ntors have executed and delivered acknowledgment before the				
	(Inventor's Signature)				
	(mventor's Signature)				
State of Washington)					
) ss County of Clark)					
On Jeric 18, 997, before me, Victoria A. Woods, personally appeared Lawrence J. Charneski, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.					
WITNESS my hand and official seal.	NOTARY PUBLIC				
Signature: <u>Ulctaria de Telando</u> Notary Public	STATE OF WASHINGTON COMMISSION EXPIRES February 21, 2003				
IN WITNESS WHEREOF, the said delivered this instrument to said Assignee on the Notary Public as given below. (2)					
State of <u>CASHINGTON</u>)) ss County of <u>CLARK</u>)					
On 11-18-99, before me, Victoria A. woos personally appeared Tue Nguyen, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument. VICTORIA A. WOODS NOTARY PUBLIC					
Signature: Mictory (Telland)	STATE OF WASHINGTON COMMISSION EXPIRES				
Signature: <u>Nectario (2 Mondo</u> Notary Public	February 21, 2003				
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RECORDED: 11/29/1999

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