ASSIGNMENT R

10-22-2002

HEET Patents Only

102257209 To the Honorable Commissioner of Patenta Date: October 14, 2002 Attorney Docket No. 5347-214 Please record the attached original documents or copy thereof. 1. Name of conveying party(ies): 2. Name and address of receiving party(ies): Paul S. Ho Board of Regents, The University of Texas System 201 West Seventh Street Ki-Don Lee Ennis Ogawa Austin, Texas 78701-2902 Hideki Matsuhashi 10-15-02 Additional name(s) of conveying party(ies) attached? ____ Yes X No 3. Nature of conveyance: X Assignment Merger Security Agreement Change of Name Other Execution Date: October 2, 2002; October 2, 2002; October 5, Additional name(s) & address(es) attached? 2002; October 8, 2002 4. Application Serial No. _____Patent No. ____ If this document is being filed together with a new application, the execution date of the application is: September 24, 2002; September 24, 2002; September 24, 2002; September 30, 2002 Additional numbers attached? Yes X No 5. Name and address of party to whom correspondence 6. Total number of applications and patents involved: 1 concerning document should be mailed: 7. Total fee (37 CFR 3.41) \$40.00 X Enclosed Mitchell S. Bigel ____ Authorized to be charged to deposit account Myers Bigel Sibley & Sajovec P. O. Box 37428 Raleigh NC 27627 8. Deposit account number: 50-0220 DO NOT USE THIS SPACE 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. October 14, 2002 Mitchell S. Bigel, #29,614 Name of Person Signing Signature Date Total number of pages including cover sheet, attachments and document: $\underline{6}$ 10/18/2002 TGEBANU1 00000045 10271284 04 FC:8021

PATENT ... REEL: 013393 FRAME: 0446

ASSIGNMENT

THIS ASSIGNMENT, made by us, **Paul S. Ho**, citizen of United States of America, residing at 8 Coleridge Lane, Austin, TX 78746; **Ki-Don Lee**, citizen of South Korea, residing at 1646 W. Sixth Street, #T, Austin, TX 78703; **Ennis Ogawa**, citizen of United States of America, residing at 1701A Emilie Lane, Austin, TX 78731, and **Hideki Matsuhashi**, citizen of Japan, residing at 101 East San Fernando, #239, San Jose, CA 95112;

WITNESSETH: That,

WHEREAS, we are the joint inventors of certain new and useful improvements in

MULTIPLE COPPER VIAS FOR INTEGRATED CIRCUIT METALLIZATION AND

METHODS OF FABRICATING SAME for which an application has been filed, or is being concurrently filed, in the United States Patent and Trademark Office. We hereby authorize and request Myers Bigel Sibley & Sajovec, P.A., to insert here in parentheses (Application

No.________, filed_______) the filing date and application number of said application when known or to file this Assignment concurrently with the application; and

WHEREAS, **Board of Regents, The University of Texas System**, an educational institution having a principal place of business at 201 West Seventh Street, Austin, County of Travis, State of Texas, hereinafter referred to as assignee, is desirous of acquiring the entire right, title and interest in and to said invention as described in said application, and in and to any and all Letters Patent which shall be granted therefor in the United States of America and all foreign countries;

NOW, THEREFORE, To Whom It May Concern, be it known that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we have sold and by these presents do hereby sell, assign, transfer and convey unto the said assignee, its successors and assigns, the entire right, title, and interest in and to the said invention and application, and in and to any and all continuations, continuations-in-part, or divisions thereof, and in and to any and all Letters Patent of the United States of America and all foreign countries or reissues or other forms of protection thereof which may be granted therefor or thereon, for the full end of the term for which said Letters Patent may be granted along with any term extensions thereon or therefor, together with the right to claim the priority of said application in all foreign countries in accordance with the International Convention, the same to be held and enjoyed by said assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made.

Page 1 of 5

PATENT REEL: 013393 FRAME: 0447 We hereby request that said Letters Patent be issued in accordance with this assignment.

We further covenant and agree that, at the time of the execution and delivery of these presents, we possess full title to the invention and application above-mentioned, and that we have the unencumbered right and authority to make this assignment.

We further covenant and agree to promptly communicate to said assignee or its representatives any facts known to us relating to said invention, to testify in any interference or legal proceedings involving said invention, to execute any additional papers which may be requested to confirm the right of the assignee, its representatives, successors, or assigns to secure patent or similar protection for the said invention in all countries and to vest in the assignee complete title to the said invention and Letters Patent, without further compensation, but at the expense of said assignee, its successors, assigns, and other legal representatives; and we hereby instruct, and further covenant and agree to bind our heirs, legal representatives, and assigns, to do same, without further compensation, but at the expense of said assignee or its representatives.

in witness whi	land ! H	hand and seal on this day of day of (SEA) (SEA)
	Paul S. Ho	8 S S S S S S S S S S S S S S S S S S S
STATE OF TEXAS)	A STATE OF THE STA
COUNTY OF TRAVIS) ss:)	06/05/200 ^A

Before me personally appeared the person described in and who executed the foregoing instrument, and he acknowledged to me that he executed the same for the purposes therein stated,

this day of

Notary Public

SEAL

My Commission Expires:

Jone 5, 2004

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this and day of day of cober, 2002
Ki-Don Lee (SEAF) CE E KOATANA
STATE OF TEXAS
COUNTY OF TRAVIS SS: (06.05/2004
Before me personally appeared the person described in and who executed the foregoing
instrument, and he acknowledged to me that he executed the same for the purposes therein stated
this 2 Nd day of Otober , 2002 Like 6. Lokes
SEAL Nothry Public
My Commission Expires: 5,2004

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this day of
<u>October</u> , 2002
C.C. VI
(SEAL)
Ennis Ogawa
STATE OF TEXAS)
COUNTY OF TRAVIS) ss:
Before me personally appeared the person described in and who executed the foregoing
instrument, and he acknowledged to me that he executed the same for the purposes therein stated,
this 5th day of October, 2002.
KIMBERLY L. BEASLEY Notary Public
SEAL My Commission Expres

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this day of October, 2002
Hideki Matsuhashi
STATE OF CALIFORNIA)
COUNTY OF Juntalkara
Before me personally appeared the person described in and who executed the foregoing
instrument, and he acknowledged to me that he executed the same for the purposes therein stated,
this 8 day of Ontoper, 2002. Notary Public
SEAL
My Commission Expires: May the 2003
KIMBERLY MONIZ COmmission # NOVE

RECORDED: 10/15/2002